De Anza College

2022-2023 CATALOG

TABLE OF CONTENTS

Welcome

Dear Student,

We are so pleased that you have chosen to be part of De Anza College. Here, you will find a vibrant community – both on campus and online – of fellow students as well as faculty members, classified professionals and administrators who are committed to your success.

The global COVID-19 pandemic brought many challenges over the last two years, but with it came opportunities for De Anza to adapt and offer new options for participating in classes, services and student activities. Today, you can come to campus and enjoy these things with your fellow students, in a beautiful physical environment. You can also find them online in formats that meet your needs and schedule.

I grew up in a family that had experience with adversity and hardship, and I have learned over the years that it's important to look beyond present challenges – and to see what is possible. That's what we want you to do at De Anza – to see possibilities and to make them a reality.

I am proud to say that I earned my associate degree at a community college, where I also learned the importance of engaging in student life outside the classroom. Building on that experience, I transferred to a university where I earned my bachelor's, master's and doctoral degrees.

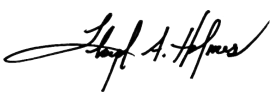
There are many opportunities to engage with the college community at De Anza, and I encourage each you to be active and involved. A great way to do this is by participating in the new Villages that we have established for all students at the college. Each Village is a supportive community of students, faculty and staff members who share academic interests. Throughout the coming year, the Villages will offer events and activities, as well as resources and information relevant to your major and career goals. You can learn more about these at deanza.edu/villages.

You truly can get the whole college experience at De Anza. You already know about the excellent academic programs and student services that have made us "Tops in Transfer" to universities across California. We're also "Tops in Career Training," with outstanding programs that prepare students to work in a variety of fields.

No matter where you are in your educational journey – whether you're a first-time college student, or returning to college after spending time away – our academic and student services are available to you at every step of the way. Please don't hesitate to ask for any assistance you might need.

I am looking forward to the coming academic year, and I hope you are too. Welcome to De Anza College!

Sincerely,



Lloyd A. Holmes, President

Pathway to Success

1. Declare a major on your application (not “Undecided”).
2. Select a goal of transfer, degree or certificate.
3. Complete assessment.
4. Complete orientation.
5. Create an educational plan in Degree Works.

These steps are recommended for your success, and they can help you get priority registration.

Academic Calendar

Fall Quarter

- Sept. 26-Dec. 16, 2022
- Last day for international students to apply for admission: Aug. 15
- Instruction begins: Sept. 26
- Final examinations: Dec. 12-16

Fall Quarter Holidays

- Veterans Day: Nov. 11
- Thanksgiving recess: Nov. 24-27
- Winter recess: Dec. 19-Jan. 8, 2023

Winter Quarter

- Jan. 9-March 31, 2023
- Last day for international students to apply for admission: Nov. 15
- Instruction begins: Jan. 9
- Final examinations: March 27-31

Winter Quarter Holidays

- Martin Luther King Jr. Day: Jan. 16
- President’s Day weekend: Feb. 17-20
- Spring recess: April 1-9

Spring Quarter

- April 10-June 30, 2023
- Last day for international students to apply for admission: Feb. 15
- Instruction begins: April 10
- Final examinations: June 26-30

Spring Quarter Holidays

- Memorial Day weekend: May 27-29
- Juneteenth: June 19

Summer Session

- For the latest information, see deanza.edu/calendar
- Instruction begins: July 3

Summer Session Holidays

- Independence Day: July 4
- Labor Day: Sept. 4

Catalog Information

Alternative Media

To request college materials in an alternate format, people with disabilities should contact the alternate media specialist at 408.864.8753.

Accuracy of Information

Every effort has been made to ensure that the information in this catalog is accurate at the time of publication. Students and other users should be aware that laws, policies, rules, fees, programs and services may change, thereby altering the material in this catalog. Such changes may come in the form of statutes enacted by the federal or state government or policies and guidelines adopted by the California Community Colleges Board of Governors, state Chancellor's Office, the board of trustees or chancellor of the Foothill-De Anza Community College District, De Anza College governance, and the president of De Anza College or the president's designee. Users of this catalog should verify necessary information, which is generally found in its most current form on the college website. See deanza.edu for the most current information.

Acknowledgements

The 2022-2023 De Anza College catalog is produced by the college offices of Communications and Curriculum with the assistance of contributors from other departments.

- Renee Augenstein, Articulation Officer and Transfer Services Coordinator, Academic Services
- Brandon Bailey, Writer/Editor, Communications
- Edwin Carungay, Graphic Designer, Communications
- Mi Chang, Senior Technician, Academic Services
- Tracy Chung-Tabangcura, Articulation Specialist, Academic Services
- Mary Clark-Tillman, Coordinator, Academic Services
- Juan Diaz, Web Support Technician, Communications
- Alex Harrell, Web Administrator, Communications
- Kit Perales, Technician, Budget and Personnel
- Iman Seale, Communications Associate, Communications
- Marisa Spatafore, Associate Vice President, Communications and External Relations
- Martin Varela, Director, College Fiscal Services

Photos by Gino De Grandis Photography

De Anza College is a public, two-year college of the Foothill-De Anza Community College District, located at 21250 Stevens Creek Boulevard, Cupertino, California 95014

About De Anza

De Anza College is an institution dedicated at its core to equity, diversity and a multicultural learning environment.

Students can choose from 79 associate degrees and 113 credit certificates, plus 21 noncredit certificates, and more than 1,800 courses.

Accreditation

De Anza College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, 10 Commercial Boulevard, Suite 204, Novato, CA 94949, 415.506.0234 (accjc.org). The commission is an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education.

Accredited colleges and universities generally give credit for comparable transfer level courses taken at De Anza College.

Pertinent coursework offered by the college has been approved by the Board of Governors of the California Community Colleges, the state Department of Education and the U.S. Veterans Administration, as well as the Council on Medical Education and Registration, the California Board of Registered Nursing, Community Allied Health Education and Accreditation, and the American Bar Association.

More information: deanza.edu/accreditation

Commitment to Equity

De Anza College welcomes students of all ages and backgrounds. The college defines student equity not as providing each student with the same support, but rather as connecting with students in their unique range of circumstances and supporting them in their individual journeys to academic success.

As part of this effort, De Anza offers a number of programs and services through its Equity and Engagement Division, including the Student Success Center, the Vasconcellos Institute for Democracy in Action (VIDA) and the HEFAS (Higher Education for AB 540 Students) resource center for undocumented students and their families.

The division is also home to several Learning Communities that focus on subjects of particular interest for students from historically underserved or underrepresented backgrounds. These include First Year Experience (first-generation college students), FLOW (hip-hop culture), IMPACT AAPI, LEAD (Latinx Empowerment at De Anza), Puente and Umoja.

Also within the division, the Office of Equity, Social Justice and Multicultural Education organizes activities and provides resources and expertise to foster an environment of equity and social justice across the college. The office works closely with the Equity Action Council, a shared governance body with representatives from all college constituencies, to promote and advance the college's equity goals.

Goals and strategies are outlined in De Anza's Student Equity Plan, updated annually. The college is committed to increasing transfer rates and the awarding of degrees and certificates; improving access, course completion, course retention and persistence; and equalizing student success rates by gender, race, ethnicity and disability.

These efforts include providing developmental opportunities and educational forums across the campus to enhance the ability of faculty members, classified professionals and administrators to provide culturally responsive support and guidance for students and each other, with the goal of creating a fully inclusive community. Using the philosophy and approach of social justice and multicultural education, student equity is achieved through rigorous ongoing accountable processes that will work toward ensuring equality of outcomes in student access and achievement.

De Anza was among the first California community colleges to require all students to complete at least one Intercultural Studies course as a condition of earning an associate degree. Today the Intercultural and International Studies Division offers courses in African American Studies, Asian American and Asian Studies, Chicanx and Latinx Studies, Comparative Ethnic Studies and Native American and Indigenous Studies as well as Intercultural Studies.

The college's commitment to historically underserved students is also seen in its long history of programs for students with disabilities, which date to 1973. In the 2021-22 academic year, De Anza served 1,869 students with disabilities.

Community and Civic Engagement

Service learning and civic engagement are essential elements of De Anza's core values. Much of this work is carried out through the innovative Vasconcellos Institute for Democracy in Action (VIDA), which offers a range of programs for students to develop civic values and practical skills through organizing, activism and service – including the opportunity to earn a certificate in Leadership and Social Change.

VIDA facilitates service learning for more than 2,000 students annually and maintains relationships with more than 25 community partner organizations, which work with students in their community engagement placements. Classes that include at least 12 hours of mandatory service are designated with an "E" and totaled on student transcripts.

Other VIDA initiatives include campus programs and conferences where hundreds of historically underrepresented high school students learn about attending college and becoming active in the community. VIDA also houses the HEFAS (Higher Education for AB540 Students) Undocumented Center, a resource for undocumented students and their families. HEFAS provides supportive services, scholarship information, community resources, leadership and advocacy opportunities, and a space where everyone can feel comfortable in participating.

VIDA traces its history to 2006, when the college established the Institute for Community and Civic Engagement to work with students on civic and leadership skills and provide them with opportunities to be agents of social, economic and political change in their communities. In 2015, the institute was renamed in honor of the late state Sen. John Vasconcellos.

De Anza students also have extensive opportunities to become engaged through the leadership of the De Anza Student Government (DASG), which is active on campus, in the community and in statewide advocacy for public higher education.

General Education Program

General Education (or GE) at De Anza College is intended to provide students with a diverse experience in disciplines both within and outside the students' chosen field of study. The GE curriculum has been designed to include both breadth and depth in multiple disciplines, resulting in a well-rounded, multidimensional education.

All students graduating with an associate degree from De Anza will have completed this General Education curriculum, which will educate students to be intellectually curious critical thinkers and problem solvers, as well as individuals who are aware of the importance of maintaining lifelong physical and mental wellness, both for their own benefit and the benefit of the larger society. The GE curriculum also encourages students to be culturally and socially engaged members of their communities, possessing a multicultural awareness and sensitivity to diversity.

De Anza's philosophy of General Education is closely related to the college Mission Statement and Institutional Core Competencies. The five major focus areas of General Education at De Anza are

- Communication, expression, critical thinking and information literacy
- Natural sciences
- Arts and humanities
- Social and behavioral sciences
- Physical and mental wellness and personal development

Guided Pathways

De Anza is committed to supporting all students in successfully reaching their academic goals, with programs and services that combine to make the college "Tops in Transfer – and More!" This is reflected in De Anza's consistent ranking at or near the top, statewide, in community college transfers to universities, as well as its award-winning career training programs and innovative student services.

As part of this commitment, De Anza has implemented a collegewide initiative known as Guided Pathways to provide students with clear paths and relevant support to achieve their goals in a timely manner. The initiative includes six Villages that serve as communities of students, faculty members and classified professionals, organized around groups of related majors and subjects. All students are encouraged to join a Village, where they can find relevant support through activities, workshops and designated Success Teams of counselors and other staff members.

The Guided Pathways initiative also includes interdisciplinary teams that work in consultation with students to remove obstacles to their progress. One result has been the development of program and transfer maps that provide a suggested plan for advancing through required courses – quarter by quarter – to obtain a desired degree, certificate or transfer in a particular

subject. These program maps can be found on the college website at deanza.edu/academics/degrees-and-certificates.

Another project of Guided Pathways has been the creation of Zoom Spaces on campus – designated areas where students can find power outlets and a good Wi-Fi signal. Students who are taking a mix of online and in-person classes can use these spaces to log in to Zoom, so they don't have to rush home in time for an online class.

Guided Pathways teams – including students, faculty members, classified professionals and administrators – have also worked on projects such as the Rising Scholars program, which provides a dedicated counselor and resources for students who were previously incarcerated or involved in the legal system.

In the coming year, Guided Pathways is planning to open designated gathering spots on campus for each of the six Villages. You can find more information about these projects at deanza.edu/guided-pathways and deanza.edu/villages.

History of De Anza College

De Anza was established in Cupertino on Sept. 11, 1967, as the Foothill Junior College District worked to meet local community demand for a second campus. Planning for the new college began soon after the district'''s first campus, Foothill College, launched in temporary quarters in 1958 and filled to capacity after moving in 1961 to its permanent location in Los Altos Hills. Just four years after approving a $10.4 million bond measure for Foothill, community members readily voted in favor of a second bond measure, in the amount of $14 million, to build De Anza College.

De Anza was constructed on 112 acres of what was once a turn-of-the-century wine producing estate that the district purchased for $1.1 million. Guiding principles for the new college called for creating an "open door" institution to serve students with a wide variety of abilities, aptitudes and interests; an atmosphere of "friendly informality between faculty members and students"; and a campus that conveyed a sense of "quiet dignity" and "higher learning."

De Anza's enrollment has grown from 3,000 students in its first year to almost 17,000 today.

Since its earliest days, De Anza has embodied a set of fundamental values that remain embedded in its culture. A deep concern for equity and social justice took root during the college's formative years, influenced by the sweeping social and political changes of the 1960s and 1970s. In intentionally cultivating a new educational community, the founders of what became the Foothill-De Anza Community College District placed a premium on excellence and innovation, and searched out faculty members with a passion for teaching.

These foundational values continue to shape De Anza's institutional character today. They are evident in De Anza's deep commitment to providing a learning environment that is inclusive and welcoming to all students, and the college's concerted efforts to achieve educational equity across racial and ethnic groups.

Institutional Core Competencies

The Institutional Core Competency statements are a promise to the communities that support De Anza College that students graduating with an A.A. or A.S. degree, or who will transfer to a four-year college or university, will be able to demonstrate the knowledge, skills and attitudes contained within all of the five competency areas, based on general education and discipline-specific courses at the lower division level. Students who earn a certificate, or have taken courses for personal educational development, will be expected to demonstrate the knowledge, skills and attitudes specified within one or more of the five competency areas.

Communication and Expression

Students will communicate clearly, express themselves creatively, interpret thoughtfully and logically, and engage actively in dialogue and discussion, while paying attention to audience, situation and (inter) cultural context. Communication and expression may be written or oral, verbal or nonverbal, informational or artistic.

Information Literacy

Students will recognize when information is needed and locate, critically evaluate, synthesize and communicate information in various formats. They will use appropriate resources and technologies while understanding the social, legal and ethical issues for information and its use.

Physical/Mental Wellness and Personal Responsibility

Students will recognize lifestyles that promote physical and mental well-being, engage in self-reflection and ethical decision-making, explore career choices and life goals, practice effective individual and collaborative work habits, and demonstrate a commitment to ongoing learning.

Civic Capacity for Global, Cultural, Social and Environmental Justice

Students will recognize their role as local, national and global citizens. They will participate in a democratic process, respect social and cultural diversity, appreciate the complexity of the physical world, and understand the significance of both environmental sustainability and social justice.

Critical Thinking

Students will analyze arguments, create and test models, solve problems, evaluate ideas, estimate and predict outcomes based on underlying principles relative to a particular discipline, interpret literary, artistic, and scientific works, utilize symbols and symbolic systems, apply qualitative and quantitative analysis, verify the reasonableness of conclusions, explore alternatives, empathize with differing perspectives, and adapt ideas and methods to new situations.

– Adopted by the Academic Senate in spring 2009; updated spring 2014.

Student Rights and Responsibilities

Students at De Anza College have guaranteed rights, and assume responsibilities, under applicable state and federal law and regulations derived from these statutes.

These rights and responsibilities include protection of freedom of expression and protection against improper evaluation in the classroom; access to, safekeeping and confidentiality of records; rights of freedom of association, inquiry and expression; participation in student governance with corresponding responsibilities; and the exercise of the rights of citizenship off campus. De Anza College has the responsibility to establish disciplinary proceedings and applicable penalties, within the law, for the violation of college rules and regulations. The colleges shall also establish procedures for grievances and complaints in order to provide a means for resolving alleged unfair or improper action by any member of the academic community.

– Foothill-De Anza Community College District Board Policy 5500

See also Administrative Procedure 5500

Sustainability, Learning Facilities and Bond Measures

De Anza's focus on sustainability as a core value is evident in daily improvements ranging from 100% biodegradable containers and utensils in the cafeteria to drought-tolerant landscaping and weather-responsive irrigation on the grounds.

In 2016, De Anza became the first community college to be certified as a Bay Area Green Business. The program distinguishes organizations that protect, sustain and preserve the environment. The city of Cupertino also awarded the college with a GreenBiz certification, an offshoot of the Bay Area Green Business program.

Through the work of its College Environmental Advisory Group, De Anza in 2007 became the first community college in the nation to develop its own Sustainability Management Plan to guide continual improvement.

The college's Environmental Studies Department, housed in the Kirsch Center for Environmental Studies, has provided inspiration for the campus as the first "green" demonstration building at a California community college. The department has developed an extensive sustainability curriculum leading to certificates and degrees in three program areas. Next door to the Kirsch Center, the Cheeseman Environmental Study Area contains several diversified ecosystems on a 1.5-acre site that is both a lush natural garden and a living classroom.

De Anza College is committed to using sustainable building methods and materials. Nine of its buildings have been certified as meeting national LEED standards for environmental sustainability: the Kirsch Center and the Media & Learning Center – both rated LEED Platinum; the Baldwin Winery and the Visual & Performing Arts Center (VPAC) – rated LEED Silver; and the East Cottage, Multicultural Center (MCC), Registration & Student Services (RSS) building, Science Center and Seminar (SEM) building – LEED certified.

Among the comprehensive athletic facilities are a 5,000-seat stadium, aquatics complex, gymnasiums, fields and courts. Specialized facilities include the De Anza Planetarium, which houses the only Infinium S Star projector outside Japan, and the VPAC, which includes a 400-seat performance and lecture hall and the Euphrat Museum of Art. These facilities, along with the California History Center and other buildings across campus, are spaces for the college's extensive program of cultural and educational activities that contribute to the enrichment of the students and community. Facilities are available for community rental.

De Anza's state-of-the-art facilities have been made possible by community support of two bond measures: Measure E for $248 million was approved by Foothill-De Anza Community College

District voters in 1999, and Measure C for $490.8 million was approved in 2006. In addition to construction, bond proceeds have funded extensive building renovations; upgrades of critical electrical and mechanical systems; installation of energy-producing solar arrays; and restoration of two historic campus landmarks: the old stone Baldwin Winery building, which now houses Financial Aid, and the estate's once-crumbling Trianon building, home to the college's California History Center.

Voters again showed their support in 2020 by approving the Measure G bond issue to provide up to $898 million to upgrade and repair facilities, classrooms and labs, and to acquire, construct and repair facilities, equipment and sites.

Among other improvements, these bond proceeds will fund the construction of both a new Services for Students Building and new Event Center on the north side of campus. The Services for Students building will help consolidate and centralize important services and programs. The event center will also directly serve instructional and student service needs, as approved by the Foothill-De Anza Community College District Board of Trustees, and will also, to the extent possible, help meet community needs for a cultural venue and civic meeting space. The bond-funded work will also include changes to the main campus entrance at Mary Avenue and Stevens Creek Boulevard, construction of new infrastructure to serve the new buildings and temporary relocation of instructional and studio space for the Creative Arts Division.

Vision, Mission and Values

Our Vision

Empower all students to attain their educational goals, develop an equity-based mindset and become civic leaders in their communities.

Mission Statement

De Anza College provides an academically rich, multicultural learning environment that challenges students of every background to develop their intellect, character and abilities; to realize their goals; and to be socially responsible leaders in their communities, the nation and the world. The college engages students in creative work that demonstrates the knowledge, skills and attitudes contained within its Institutional Core Competencies:

- Communication and expression
- Information literacy
- Physical/mental wellness and personal responsibility
- Civic capacity for global, cultural, social and environmental justice
- Critical thinking

Values

De Anza values and is committed to:

Integrity

We embrace honesty, credibility, clear communication and acting on our stated values. We strive to acknowledge and address issues that may be difficult to broach. The college's ability to fulfill its mission depends on a college community in which everyone feels included, respected and safe.

Innovation

In all of our many roles, we will continuously and purposefully reflect in order to innovate and improve. We work to ensure our physical space is welcoming, conducive to learning and environmentally sustainable. We are committed to being innovative in our daily work, curriculum and use of technology. We work with our students to be creative, flexible, imaginative and inventive, and to prepare to contribute to a world that will demand skills and competencies not yet in view.

Equity

We welcome students of all ages and backgrounds and connect with them, in their range of unique circumstances, to help them fulfill their dreams. We strive to design classes and services to the needs of those we serve. We value and embrace the intellectual contributions of a diverse spectrum of people and cultures. We strive for a diverse workforce that honors the contributions of all who work here.

Developing the Human Capacity of All Students

We will provide support in six key factors* of student success. Our students will be:

- **Directed**, with a goal and the knowledge of how to achieve it.
- **Focused**, staying on track to achieve that goal.
- **Nurtured**, feeling that we want to, and do, help them to succeed.
- **Engaged**, actively participating in class and extracurricular activities.
- **Connected**, feeling that they are part of the college community.
- **Valued**, with their skills, talents and abilities recognized, and with opportunities to contribute on campus and feel that their contributions are appreciated.

Institutional Core Competencies

Our students will be able to demonstrate knowledge, skills and attitudes in the following five areas:

- Communication and expression
- Information literacy
- Physical/mental wellness and personal responsibility
- Civic capacity for global, cultural, social and environmental justice
- Critical thinking

Civic Engagement for Social Justice

We provide students with opportunities to enhance their potential for purposeful and productive lives. As a public institution, we contribute to the development of our local, state, national and global communities. We view our students and ourselves as agents of change, responsible for building the world in which all people are able to realize their dreams in ways that are environmentally sustainable and in alignment with the United Nations' Declaration of Human Rights.

More information: deanza.edu/about-us/mission-and-values

*From "Student Support (Re)defined," a report of the Research & Planning (RP) Group of California Community Colleges, January 2013.

Fees and Expenses

California residents who enroll full-time in 12 units or more will pay $31 per unit. For each quarter, this amounts to $372 for enrollment fees, plus an average of $75 in other fees. Out-of-state residents and foreign students must pay $221 per unit, in addition to the enrollment fee of $31 per unit and other basic fees.

There are additional mandatory fees for the Campus Center, the SmartPass and Health Services, plus fees for students who use campus parking or take lab courses, and a voluntary fee for De Anza Student Government (DASG) activities. International students attending on an F-1 visa are required to purchase comprehensive health insurance for $576 per quarter.

All fees are listed at deanza.edu/cashier/fees and are subject to change. Payment and refund policies are also listed online. Tuition and fees may be refunded under certain circumstances. Please direct questions to the Cashier's Office by email to deanzacashier@deanza.edu.

Estimated Cost of Attendance

It is important for students to make financial plans for their education. The following cost estimates are calculated for a student attending De Anza College full time and enrolled in 12 units for three quarters or nine months. Costs are higher for out-of-state or nonresident students and students living on their own.

De Anza College 2022-2023 Estimated Annual Cost of Attendance

Living at Home with No Dependents

Registration and fees
$1,527

Books and supplies
$1,677

Transportation
$1026

Miscellaneous personal expenses
$3,924

Total
$8,154

Textbooks and Supplies

Students are responsible for purchasing textbooks and supplies including course syllabi, bibliographies and other printed materials in excess of five pages. Some courses require the purchase of additional supplies. The De Anza Bookstore sells all course texts and other items, and provides rental textbooks.

De Anza recognizes that the cost of textbooks and other materials can have a direct impact on students' ability to achieve their educational goals. Instructors are working to provide more free and low-cost options for textbooks and other required materials. Students can learn more about these options by visiting deanza.edu/save-on-books.

For a very limited number of courses, there will be an access fee. These fees, shown in the class listings, reflect the actual cost for materials, which is usually lower than if students purchased the same items separately. Unless there is an issue of health or safety, students can either pay the fees to the Bookstore or provide their own materials of equal quality. A list of materials will be provided by the instructor upon request.

Programs and Services

At De Anza, you will find people who want to help you succeed, and programs designed for that purpose.

Assessment

The Assessment Center oversees the process of assessing students to determine their eligibility for courses in transfer-level English or English as a Second Language and transfer-level Math (up to MATH 1A). The center also offers a science exam.

All assessments and exams are accessible online. To get started, new students should review their course eligibility by logging in to MyPortal, opening the Apps section and clicking on the tile for Student Registration, then looking under "My Records" and selecting "View My Placement Results." To request online access to assessments or exams, visit deanza.edu/assessment/contact.

Location: RSS First Floor – Enrollment Services counter (across from the Bookstore)

More information: deanza.edu/assessment

Athletics

De Anza is a member of the Coast Conference, the Northern California Football Conference, and the California Community College Athletic Association. We are the proud home of 12 consecutive Coast Conference All-Sports trophies – awarded to the top athletic program in the region.

Varsity teams compete in nine sports for women: badminton, basketball, beach volleyball, cross country, soccer, swimming and diving, track and field, volleyball and water polo. We offer eight sports for men: baseball, basketball, cross country, football, soccer, swimming and diving, track and field, and water polo.

All entering students have two years of eligibility at the community college level and must be enrolled in 12 units while competing. Nine of those units must be attempted in courses that are consistent with the student-athlete's educational plan. Most athletic programs follow a yearlong calendar of conditioning, training and competition.

The Athletics Department offers dedicated full-time support staff members; special academic cohorts including REACH (Reading, English, Athletics, Counseling and Humanities) and FAST (Football Academic Success Team); and leadership development opportunities in the Student Athlete Advisory Council. Information about each program and coach can be found on the Athletics website at deanzasports.com.

Athletics Director: PE 4, Room 41C

Telephone: 408.864.8594

More information: deanzasports.com

Basic Needs

Students who face food or housing insecurity, or other financial emergencies, should know they are not alone. De Anza College is committed to providing resources and referrals for assistance, including food assistance, emergency cash grants, psychological services and options for housing and transportation.

More information: deanza.edu/resources

Bookstore

The De Anza College Bookstore is located in the Registration & Student Services Building. The Bookstore is the one-stop source for textbooks, including rental textbooks, reference books, study aids and school, art and office supplies. The Bookstore also sells computers, software and supplies at educational discounts, as well as De Anza College logo clothing and gifts, and convenience store items.

Students can shop in person or visit the Bookstore's online store, where they can search for course materials by class or enter their Campuswide ID number to see a list of their courses and required materials. The online store can be reached at deanzastore.com or through the Bookstore tile in the Apps section of MyPortal.

Email: deanza@bkstr.com

Telephone: 408.864.8702

More information: deanzastore.com

California History Center

The California History Center is an active focal point for the study of California and has been recognized as an Outstanding Educational Facility by the state of California, while receiving numerous other awards and honors. The center is housed in the rehabilitated Trianon building, located on the De Anza College campus and listed on the National Register of Historic Places.

The center is dedicated to promoting the study of local and regional history and encouraging the development of a vibrant civic and cultural life for the community. Students, faculty, staff and community members are welcome to utilize the center's resources, which include academic courses, lectures, exhibits, special events and publications.

Another resource at the center is the Stocklmeir Library and Archives, a growing collection of materials on California and on almost every aspect of Santa Clara Valley's development. A book and journal collection and archives, including student research papers, audio and video oral history, photographs, manuscripts, ephemera, newsletters, clippings and pamphlets are available for research.

The center also houses the Audrey Edna Butcher Civil Liberties Education Initiative, which engages students and the general public on civil liberties issues.

More information: deanza.edu/califhistory

Career Training

De Anza offers career training in 24 different subject areas, most with hands-on learning, internship opportunities and curriculum developed with input from industry experts. These programs are designed to prepare students for immediate employment or transfer to a four-year university, and to enhance career prospects for working professionals.

A number of De Anza's career training programs have earned special recognition from the Chancellor's office for California community colleges, which found they met or exceeded goals for helping students increase earnings and find employment in a job similar to their field of study.

Website: deanza.edu/career-training

Cheeseman Environmental Study Area

The Cheeseman Environmental Study Area (ESA) is a natural garden containing more than 400 species of plants representing 12 California native plant communities. This 1.5-acre site on the southeast corner of the campus is maintained by the Biological, Health and Environmental Sciences Division and the Environmental Studies Department. The ESA is used to conduct environmental research and contains a student laboratory for use by environmental studies and biology classes.

Telephone: 408.864.5446

More information: deanza.edu/es/esa

Child Development Center

The De Anza Child Development Center offers child care and education to Foothill-De Anza students and the community at large. The program values inclusion of all children and serves as a practicum site for student interns working toward their degree or certificate in the fields of Child Development or Early Intervention. Staff members meet the highest standards of the profession, and curriculum is based on best practices for young children.

The center serves toddlers and preschoolers and has the capacity to provide services to more than 100 children. Parent participation is supported and strongly encouraged. For students, the

center offers an income-eligible sliding fee program sponsored by the California Department of Education.

Families are encouraged to sign up for a tour of the center prior to submitting a waiting list application. Tour information and the application can be found at deanza.edu/child. Parents can place their child's name on the waiting list by completing the application and emailing a scanned copy to cdc@fhda.edu.

Location: Southwest corner of campus

Telephone: 408.864.5795

More information: deanza.edu/child

College Life: Clubs, Student Government, Mentors

College Life (Office of)

The Office of College Life provides an information and resource center for students, staff and community members. It also enhances multiculturalism and diversity at De Anza. The office, in concert with the De Anza Student Government (DASG), clubs and staff, provides for numerous educational programs and events representing the college's diverse student and staff community.

Among the many services are a housing website and college posting approval. Free legal advice from a lawyer is also available.

Location: Campus Center (lower level, near Health Services)

Telephone: 408.864.8756

Email: collegelife@deanza.edu

More information: deanza.edu/collegelife

Clubs

Student success is the primary focus of De Anza, and one factor of success is campus involvement. There are more than 70 active clubs on campus that provide diverse opportunities for students including leadership, community service and friendships. Students can also form new clubs. For a current list of clubs, club meetings, how to start a new club and more, visit the website.

More information: deanza.edu/clubs

De Anza Student Government

The De Anza Student Government (DASG) is the elected government organization designed to enhance the college environment through student involvement in the decision-making process. Student government financially supports athletics, clubs, dances and speakers, creative arts events, student publications, social events, student support services and some instructional programs.

Active participation in student government provides students the opportunity to gain skills and knowledge in group dynamics, program planning and leadership.

Students are encouraged to participate in the development of co-curricular programs and the formulation of general college policies. Students are involved in college governance through membership and participation on all major college boards and committees.

The opportunity for self-government is extended to the students of De Anza by the board of trustees, administration and faculty to promote student activities that provide social and intellectual stimulation to the college campus and community. Learn more on the DASG website or visit the Office of College Life.

More information: deanza.edu/dasg

Mentors @ De Anza

Mentors @ De Anza is a peer mentorship program that was initiated by student leaders, working with the Office of College Life, to connect first-year students with experienced peers who can provide guidance in navigating the college. The program offers interactive workshops, helpful transfer panels and engaging podcast episodes open to all De Anza students.

Each student "mentee" is paired with a peer mentor who will point them to relevant programs and resources, share insights about courses and major requirements, and cheer them on as they find their place at De Anza. After gaining experience, a student mentee can serve as a mentor to others.

More information: deanza.edu/collegelife/mentors

Community Education

De Anza's Community Education Division offers programs and services to community members of all ages and interests, through the Child Development Center, De Anza College Academy, Euphrat Museum of Art, Planetarium and Short Courses.

More information: deanza.edu/communityed

De Anza College Academy

This program is offered for students entering grades 1-12. Though peak operations take place during the summer months, De Anza College Academy operates year-round. The programs are offered in partnership with De Anza College's Euphrat Museum of Art, California History Center and Planetarium, as well as Foothill College's Krause Center for Innovation and local K-12 schools.

Location: Learning Center, Room 141

Telephone: 408.864.8817

FAX: 408.864.5472

Email: communityeducation@deanza.edu

More information: deanza.edu/academy

Short Courses

This program provides a variety of fee-based, not-for-credit courses in educational, recreational, cultural and community development.

Location: Learning Center, Room 141

Telephone: 408.864.8817

FAX: 408.864.5472

Email: communityeducation@deanza.edu

More information: deanza.edu/shortcourses

Counseling and Academic Advising

De Anza offers counseling and advising services to help students set academic goals and find support services to achieve them.

Many students find their counselor or adviser through their Learning Community or other programs that have counselors or advisers assigned to them. These counselors work closely with students in their respective areas and provide assistance tailored to their circumstances and goals. A list of programs and Learning Communities that have their own counselors can be found at deanza.edu/our-counselors.

New students should see the counselors in the Office of Outreach during their first two quarters, if they are not in a program that has its own counselors. Outreach counselors also work with students participating in the De Anza College Promise, Men of Color Community and Rising Scholars program.

After their first two quarters at De Anza, students can see a counselor or adviser in the General Counseling and Advising Center if they are not in a program that has its own counselors. The center provides comprehensive services for students who seek assistance with a variety of concerns.

Under the collegewide Villages initiative, students are encouraged to work with counselors or advisers who are part of the Success Team for their Village. Students who are in a Learning Community or program with designated counselors will find those counselors listed on the roster for their Village Success Team. Similarly, students who would go to the General Counseling and Advising Center can check to see which of the center's counselors are part of their Success Team. Success Team rosters can be found at deanza.edu/villages.

When planning to meet with a counselor or adviser, it may help to know that academic advisers assist with developing educational plans and addressing academic concerns, while counselors provide academic advising as well as educational, personal and career counseling. The broader list of services provided by counselors includes the following:

Academic Advising

- Individual educational planning
- Determination of transfer requirements
- Applying for a certificate or degree

Educational Counseling

- Individual educational planning
- Selecting a major

- Time management
- Study skills
- Test anxiety
- Introduction to College course

Career Counseling

- Career and life planning courses
- Exploration of career goals based on personal assessment
- Development and implementation of career plans

Personal Counseling

- Self-awareness
- Interpersonal communication
- Stress management
- Relationship counseling
- Clarification and resolution of problem areas
- Referral to off-campus resources

Counselors act as catalysts to help students define their own questions, explore their own alternatives and ultimately find their own answers.

Office hours for counselors and academic advisers are posted online, but may be subject to change, especially during academic breaks. Counselors and advisers may be seen on a drop-in basis or by appointment. Students can find their counselors and learn how to contact them or make an appointment by visiting deanza.edu/our-counselors.

Under the Family Educational Rights and Privacy Act, counselors cannot disclose a student's educational records to a third party without the student's consent. This includes such information as a student's name, attendance record, address, phone number, family contact information, Campuswide ID, grades, health information and discipline reports.

Location: General Counseling and Advising – RSS, Second Floor

More information: deanza.edu/our-counselors

DASG Card

The purchase of a DASG card provides benefits to students and to the campus as a whole. The card provides the funds needed to support programs and services to students, including clubs, seminars, guest speakers, athletics, creative arts productions, legal advice, loans, culturally diverse programs and campus publicity.

The DASG card is the property of the college and must be surrendered for needed replacement or at the request of the Foothill-De Anza Community College District Police.

The purchaser of the DASG card is entitled to the following benefits:

- Eligibility to run for student government office
- DASG scholarships
- Free admission to all home athletic games
- Participation in student clubs and organizations
- Discount movie passes
- Legal advice service
- Use of computers in the Library Computer Lab

More information: deanza.edu/collegelife/idcard

Dining Services

Breakfast, lunch, dinner and snacks are available on the upper floor of the Campus Center. Menu items include an organic salad bar, burgers, hot and cold sandwiches, specialty pizzas, pasta, Vietnamese pho and Korean bibimbap. An assortment of snacks, desserts and beverages is also available. Some food stations may be temporarily unavailable during the COVID-19 pandemic. Please check deanza.edu/dining for updates.

Private dining rooms are available by reservation by calling the Dining Services office. Banquet catering services are available for both on- and off-campus events.

Telephone: 408.864.8515

More information: deanza.edu/dining

Disability Support Programs and Services

The DSPS Division includes the following programs and services.

Adapted Physical Education

The Adapted Physical Education (APE) program provides exercise classes for individuals with physical limitations and disabilities.

Location: Building PE 6 (near the pool)

Telephone: 408.864.8885

More information: deanza.edu/dsps/ape

Computer Accessibility Lab

The Computer Accessibility Lab provides information and training on various assistive technology tools and devices, to promote student access and support specific learning needs.

Telephone: 408.864.5816

More information: deanza.edu/dsps/cal/

Deaf and Hard of Hearing Services

The Deaf Hard of Hearing Services program provides educational sign language interpreters and real-time educational captioners. FM systems are also available for students to borrow.

Telephone: 408.864.5435 (voice) or 408.565.8687 (VP)

More information: deanza.edu/dsps/dhhs/

Disability Support Services

Disability Support Services (DSS) provides services and instruction to students with physical, psychological, chronic health, hearing, visual, learning and spectrum disabilities. These services and accommodations include ASL interpreting, captioning, mobility, tutoring, assistive technology support and training as well as testing accommodations.

Students with visual or print impairments qualify for alternate media and are served by our alternate media specialist. This service can provide books and other class materials in accessible formats, usually electronic text.

Deaf and hard-of-hearing students have the assistance of an interpreter/scheduler with registration, interpreting and captioning services in the classroom, and a campus liaison.

Location: RSS 141

Telephone: 408.864.8753 (voice) or 408.864.8748 (TTY)

Email: dss@deanza.edu

More information: deanza.edu/dsps/dss

Learning Disability Support

The DSS Learning Disability Support team assists students in discovering their learning styles and academic strengths and weaknesses, and assesses eligibility for learning disability services.

An adult with learning disabilities has average or above-average intelligence and needs assistance in one or more of the following areas: reading, spelling, math, writing, problem solving, memory and organizational skills. All eligibility assessments are done on an individual basis, and a personalized plan of instruction is developed according to the student's abilities and needs. The following services are available to eligible students: registration assistance, tutoring, specialized instruction, and campus and community liaison.

Location: RSS 141

Telephone: 408.864.8753

More information: deanza.edu/dsps

Testing And Tutorial Center

The Testing and Tutorial Center offers tutoring in a variety of subjects, as well as note-taking and test proctoring services.

Telephone: 408.864.8839

More information: deanza.edu/dsps/testingtutorial/

Hope Program

The Hope-De Anza cooperative program is designed to serve adults with developmental disabilities who would benefit from a comprehensive rehabilitation and educational program. Training assists the individual in developing the attitudes, behaviors, work skills and self-confidence leading to competitive, supported or sheltered employment.

The program uses a team approach that considers the total individual, with emphasis on the development of an individualized and prescriptive vocational and educational plan.

Locations: 3080 Alfred St., Santa Clara, and 1555 Parkmoor Ave., San Jose

Telephone: 408.282.5012

More information: deanza.edu/dsps/hope

Educational Plan and Degree Works

Students create an educational plan in Degree Works, found on MyPortal. During orientation, new students learn how to create an abbreviated educational plan for their first one or two quarters. Students must then develop a comprehensive educational plan for three quarters or more. Both orientation and an educational plan are required steps in obtaining priority registration.

Students can also perform a degree audit in the Degree Works app on MyPortal, to see what courses they have completed and which requirements remain to be completed in order to finish their degree or certificate. Degree Works will indicate what percentage of their degree has been completed. This information may be used by the Financial Aid office to determine if students are on track to complete their degree and maintain their financial aid eligibility. Degree Works' educational plan function allows students or counselors to create a multi-quarter plan for registration, including their degree requirements.

Students who are considering a change of major can run "what if" scenarios to compare their progress in other majors. A "change major" function is available in MyPortal if students find they are making better progress in a different major or program or wish to pursue a different area of study. Students can also change their educational goal in MyPortal.

More information: deanza.edu/counseling/degree-audit

Equity, Social Justice and Multicultural Education (Office of)

The Equity Office organizes activities and provides resources to promote an academic, cultural and social environment that supports equity, social justice and academic success for all members of the campus community.

Through these efforts, the office works to foster a climate of healthy diversity that values individual and group differences and respects the perspectives of others, by addressing barriers that perpetuate inequity, injustice and monocultural education.

The Equity Office also strives to deepen acceptance and understanding of diversity and people from all racial, cultural, ethnic, religious and economic backgrounds, gender preferences and identities, as well as people with disabilities and others.

Location: MLC 250

Telephone: 408.864.5636

Email: equityoffice@deanza.edu

More information: deanza.edu/equityoffice

Euphrat Museum of Art

The Euphrat Museum of Art, located at the front of the Visual & Performing Arts Center, presents engaging exhibitions and educational materials that provide a resource of visual ideas and a platform for communication. It is a forum for ideas about art expressed through one-of-a-kind exhibitions and events. Nationally recognized, the Euphrat program:

- Highlights the heritage of different cultures
- Enhances understanding of art fundamentals, art history and esthetics
- Augments college instruction in multiple disciplines

The Euphrat hosts an annual De Anza Student Art Show. Students participate in all aspects of museum operations, including the Euphrat's Arts and Schools Program that provides art classes to elementary and middle school students in the community.

Receptions for the artists are free and open to the public. Call the Euphrat to schedule a group tour.

Location: Euphrat Museum of Art, VPAC

Telephone: 408.864.5464

More information: deanza.edu/euphrat

Extended Opportunities Programs and Services (EOPS)

Extended Opportunities Programs and Services (EOPS) provides support services for economically and academically disadvantaged students. Services include academic and personal counseling; assistance in completing admission, registration and financial aid forms; early registration; university transfer services; and assistance with the cost of books, transportation and other educational expenses.

As part of EOPS, the Cooperative Agencies Resources for Education (CARE) program provides support services to single heads of household receiving Temporary Assistance for Needy Families. CARE students receive academic and personal counseling, early registration and financial assistance with child care, books and transportation.

Location: Campus Center, Lower Level

Telephone: 408.864.8950

More information: deanza.edu/eops

Financial Aid and Scholarships

Financial aid is available through the college for students who need financial support to pursue their education. The college provides assistance in the form of grants, scholarships, loans and part-time jobs, as well as the De Anza College Promise program. Except for scholarships and the De Anza College Promise, all programs require that a student show financial need in order to qualify.

Application Procedure

Most students should use the Free Application for Federal Student Aid (FAFSA), available at fafsa.gov. Carefully follow the directions provided. Undocumented students should use the California Dream Act Application (CADAA) available at dream.csac.ca.gov, instead of the FAFSA. Applications for each new academic year are available on Oct. 1. Application deadlines vary for different programs, but students must file the FAFSA or CADAA by March 2 to be considered for a Cal Grant. Students are encouraged to call or visit the Financial Aid office for more information and to check the website frequently for updates.

All students seeking federal financial aid will need to have a high school diploma or GED, or have been homeschooled in order to meet the academic qualifications for general eligibility.

Financial Aid Programs

The following programs are offered:

De Anza College Promise:

Get your degree – or transfer – free! The De Anza College Promise provides free tuition and fees for two years, plus $1,000 toward books and materials, for first-time college students who are planning to attend full time. Students can apply by filing the Free Application for Federal Student Aid or the California Dream Act Application and listing De Anza College on the application. Students must be California residents (or eligible for nonresident tuition exemption) and maintain full-time status to remain eligible for this program. Learn more at deanza.edu/promise.

Grants:

- Supplemental Educational Opportunity Grants (SEOG)
- Pell Grants
- Extended Opportunity Program Grant (EOPG)
- Cal Grants B and C
- Student Success Completion Grant

Loans:

- Federal Direct Loan
- Direct Plus Parent Loans

Part-Time Jobs:

- Federal Work Study Program

Waivers:

- California College Promise (formerly the Board of Governors' Fee Waiver)

Scholarships:

Students may apply to a variety of scholarships using the AcademicWorks program in MyPortal. AcademicWorks provides personalized scholarship recommendations. Amounts and qualifications vary with each scholarship. Scholarships are offered through the college, district and outside organizations.

AB 540 Students

Students admitted under AB 540 are eligible to apply for the California College Promise, De Anza College Promise, Cal Grants and many private scholarships. Most AB 540 students should use the California Dream Act Application instead of the FAFSA.

Location: Baldwin Winery Building

Voicemail: 408.864.8718

Email: financialaid@deanza.edu

More information:

- deanza.edu/financialaid
- deanza.edu/financialaid/apply

Food Pantry

Students experiencing food insecurity can get free food from the Food Pantry in the Registration & Student Services (RSS) Building and satellite locations around campus.

The Outreach office also helps students apply for CalFresh benefits and coordinates emergency food vouchers, a mobile food pantry and a mobile farmer's market.

More information about resources for basic needs, including food, housing and psychological services, can be found at deanza.edu/resources.

Location: RSS Building

Telephone: 408.864.8327

More information: deanza.edu/outreach/food_pantry

Health Services

The Student Health Services office provides a variety of confidential, free and low-cost services. Free services include blood pressure checks, condoms, COVID-19 testing, flu shots, minor first aid, over-the-counter medicines, pregnancy testing, smoking cessation, TB testing and health education information. Services at reduced cost include well woman exams, physical exams, birth control, emergency contraception and immunizations.

Location: Campus Center, Lower Level

Telephone: 408.864.8732

More information: deanza.edu/healthservices

Housing

De Anza does not operate any housing facilities, but the Office of College Life maintains a website at deanza.edu/housing that provides information about off-campus rental listings and room-sharing services. The college does not assume responsibility for any housing facilities.

Students who are experiencing housing insecurity or homelessness can find information about resources available to them at deanza.edu/resources.

International Student Programs

The office of International Student Programs (ISP) addresses the needs of De Anza's international (F-1 visa) students and helps them adjust to their lives in the United States. All prospective international students are encouraged to contact the office, visit the campus and view ISP's website.

ISP staff members are multilingual and well-informed about educational development, personal and financial planning, cross-cultural issues, immigration rules and regulations, and community programs and resources. The international student counselors assist international students in designing their educational plans and prepare students for their transfer to a four-year university to continue their undergraduate education.

Each quarter, ISP organizes an orientation program for all new international students, covering a wide range of topics, including assessment, health issues, academic skills, personal safety, banking and transportation. ISP also conducts numerous workshops throughout the academic year on a broad range of topics such as employment, transfers to four-year universities and F-1 visa rules. To help international students in their adjustment to life in the Bay Area and the United States, ISP organizes a selection of social and cultural programs and activities. To protect international students from the high costs of medical care in the U.S., all F-1 visa students are required to purchase and subscribe to the international student health insurance selected by the Foothill-De Anza Community College District.

Location: RSS, Second Floor

Telephone: 408.864.8826

Email: dainternational@deanza.edu

More information: deanza.edu/international

Learning Communities

Success ~ Support ~ Friends!

Learning Communities provide supportive networks in which students can connect more closely with their classmates, instructors and advisers. These programs are organized around a shared interest or experience, with opportunities for students to take two or more classes with others in their community or cohort. Learning Communities have a proven track record of increasing student success rates in a fun, friendly environment.

More information: deanza.edu/learningcommunities

Bundle Up with EPS

Learn new ways to succeed in your English classes, with dedicated counselors, in-class tutoring and friendly instructors. Bundle Up with EPS is a one-quarter program for students who would like extra support in EWRT 1A and LART 250. Eligibility is based on English placement. Students in this program will also take CLP 5 (Career Life Planning) together in the same cohort.

Email: eps@deanza.edu

More information: deanza.edu/languagearts/eps-bundle

First Year Experience (FYE)

FYE is an academic support program for first-time students who are also the first in their families to attend college. FYE integrates multiple fields of study with community engagement, and provides students with practical insight on how to have a successful college experience.

Students enrolled in FYE will have:

- Common readings and assignments in all classes
- Academic and personal support from a counselor
- Fun while learning and building community

Location: LCW 102

Telephone: 408.864.8470

Email: fye@deanza.edu

More information: deanza.edu/fye

Future Leaders of the World (FLOW)

FLOW is a community that loves music, art and social change. This cohort program uses a hip-hop framework to teach college-level reading and writing. Participating students learn about social and cultural issues by exploring how music, specifically hip-hop, empowers people in marginalized communities.

Email: outreach@deanza.edu

More information: deanza.edu/flow

Honors

The Honors program provides students the opportunity to explore subjects in depth. Honors projects challenge students to think more analytically and to make more connections between their classes and with the world, helping them transform themselves, their communities, and their environment. The Honors program is designed to:

- Challenge students to achieve their intellectual potential
- Improve students' critical thinking, writing and discussion skills
- Help students understand connections between disciplines
- Encourage close interaction among students and with instructors
- Support timely and appropriate university transfer objectives

Location: S33B

Telephone: 408.864.8833

Email: dahonors@deanza.edu

More information: deanza.edu/honors

Humanities Mellon Scholars

The Humanities Mellon Scholars program is designed to expose a diverse population of students to the humanities – which can help students develop essential skills for innovation, critical thinking and problem solving. Participants can take classes together, earn a certificate of achievement in Humanities and get ready for transfer in two years. They're also eligible for paid internships and other financial help, free books, faculty mentors, cohort classes, workshops, social events and guaranteed admission with up to $20,000 in scholarships to the University of San Francisco.

Email: camminfalk@fhda.edu

More information: deanza.edu/mellonscholars

IMPACT AAPI

IMPACT AAPI works to support Asian American and Pacific Islander students and to close the gaps in academic achievement and transfer by focusing on students from backgrounds that are historically underrepresented in higher education. The program was initially funded through an Asian American and Native American Pacific Islander-Serving Institutions (AANAPISI) grant from the U.S. Department of Education.

Location: LCW 102

Email: impactaapi@deanza.edu

More information: deanza.edu/impact-aapi

Latinx Empowerment at De Anza (¡LEAD!)

Latinx Empowerment at De Anza (¡LEAD!) is a unique program that provides leadership and mentorship training and preparation. This multifaceted program includes the following

- Engagement in course-related community engagement or service projects both within the college and with outside agencies
- Reading and writing about Latinx culture, history, literature and social justice issues
- Creating community among students by developing a sense of familia
- Paid mentorships in which qualified students work with peers and the community

The goal of ¡LEAD! is to create connections between college and community, to understand students' power as agents for positive social change, and to prepare students for work or advanced studies. Students work with a team of faculty members, including a dedicated counselor, to reach their ultimate goals of obtaining a certificate or degree or transferring to a four-year institution.

Location: Equity and Engagement Division, MLC 250

Email: lead@deanza.edu

More information: deanza.edu/lead

Learning in Communities (LinC)

LinC (Learning in Communities) uses a nationally recognized interdisciplinary approach to learning, designed for student success, that links two or more classes together with common themes, content and materials. The community of students and faculty work collaboratively, creating a friendly, supportive atmosphere. LinC courses are open to all De Anza students.

When students enroll in LinC, they:

- Have some common readings and assignments in the linked courses
- Have academic and personal support from a counselor dedicated to LinC
- Learn more and earn more units with less stress and more fun

LinC courses are identified in the schedule of classes with the letter D at the end of the course number.

Email: linc@deanza.edu

More information: deanza.edu/linc

Math Performance Success (MPS)

The MPS program has award-winning success rates in working with students who have experienced challenges with math. Through a dynamic community of learners, teachers and counselors, students discover effective ways to improve in math.

MPS provides support through a team approach:

- Specialized instruction in a supportive environment
- Academic counseling in and out of class
- Free tutoring in and out of class
- Extra class time

MPS offers the following courses.

- MATH 10: Introductory Statistics
- MATH 31: Precalculus I
- MATH 32: Precalculus II
- MATH 1A: Calculus
- MATH 1B: Calculus

Location: S31

Telephone: 408.864.8800

Email: mps@deanza.edu

More information: deanza.edu/mps

Men Of Color Community (MC2)

The Men of Color Community (MC2) helps students build community and lasting connections through peer mentoring and tutoring, workshops and special events. The program also offers academic advising, transfer assistance and help in maintaining priority registration. Students learn the skills to succeed in college and beyond.

Location: RSS 127

Telephone: 408.864.5780

Email: mc2@deanza.edu

More information: deanza.edu/mc2

Puente Project

Puente is an award-winning national program that helps students reach their dreams, including transfer to four-year colleges and universities, by providing them with three main areas of service in a supportive and stimulating environment.

- English instruction – Puente students take three consecutive writing classes that provide a supportive and stimulating environment with an emphasis on developing writing skills through an exploration of the Mexican American/Latino experience.
- Counseling – Students work with a counselor to identify their goals, develop an academic educational plan and explore career options. Students visit four-year institutions including University of California campuses and attend an annual Puente conference.
- Mentors – Puente students are matched with an academically and professionally successful mentor from the community. The network of trained Puente mentors provides many resources for Puente students, their families, their colleges and the community.

Location: LCW 102

Telephone: 408.864.8552

Email: deanzapuente@deanza.edu

More information: deanza.edu/puente

Reading, English, Athletics, Counseling and Humanities (REACH)

REACH is a supportive network of instructors, counselors and coaches dedicated to student-athlete success. Student-athletes work in a team environment taking linked classes in reading, writing, humanities and counseling.

Contact: Dawnis Guevara, REACH Coordinator

Telephone: 408.864.8555

Email: reach@deanza.edu

More information: deanza.edu/reach

Umoja Community

This program is based on an African-centered philosophy that enables students to see themselves within a positive historical and cultural context. It seeks to educate the whole student – body, mind and spirit – through the construction of knowledge and critical thought. Students receive supportive services and take courses with perspectives from across the African Diaspora.

Location: LCW 102

Email: canyonmaurice@deanza.edu

More information: deanza.edu/umoja

Vasconcellos Institute for Democracy in Action (VIDA)

Students participating in VIDA gain the skills to become leaders in their communities, by engaging in experience-based learning in the classroom, workplace environments and other communities and interacting with people from diverse backgrounds. Students also have the option of earning a leadership certificate.

Location: East Cottage

Contact: Cynthia Kaufman, Faculty Director

Telephone: 408.864.8739

Email: vida@deanza.edu

More information: deanza.edu/vida

Library Services

The renovated Library contains resources for students including books, e-books, periodicals and DVDs. The building has Wi-Fi access, computer workstations, group study rooms and a lending program for students who need to borrow a laptop or graphic calculator.

Electronic resources are available 24 hours a day, seven days a week. Using the Library website as a starting point, students can access e-books, scholarly articles, streaming videos and other materials. Databases such as EBSCOHost Academic Search Premier, Films on Demand, Proquest Research Library, Literature Resource Center, LexisNexis and Encyclopedia Britannica are available from off campus. The Library also offers a series of online classes, which can be found in the course listings.

Students can use the computer workstations in the Library Computer Lab on the first floor to check email, access the internet and use Microsoft Office software. Workstations with assistive technology for accessibility as well as viewing stations for watching DVDs are available.

Location: Library

Circulation: 408.864.8761

Reference: 408.864.8479

More information: deanza.edu/library

Noncredit Studies

Noncredit courses offer a new way to gain valuable job skills, expand your personal knowledge or become better prepared before taking classes for academic credit. Enrollment in these courses is free, with no tuition or registration fees.

De Anza offers noncredit courses and certificates under guidelines established by the Board of Governors for California Community Colleges, with the goal of increasing educational access for students from diverse backgrounds. These programs can be a starting point for many individuals – particularly immigrants, the economically disadvantaged and adults who need to improve their skills – on a pathway to gaining basic skills, preparing to enter the workforce, transitioning to for-credit programs or transferring to a four-year university.

It's important to remember that noncredit classes do not count toward a degree or academic certificate, and students do not earn college credit units. However, students can earn a noncredit certificate after completing a series of required classes. Transcripts showing noncredit courses taken at De Anza are also available from the Admissions and Records office.

For detailed listings, see the Noncredit Courses and Certificates section of this catalog.

More information: deanza.edu/noncredit

Occupational Training Institute

The Foothill-De Anza Community College District's Occupational Training Institute (OTI) offers career training for students who are eligible through programs such as CalWORKs (TANF/Welfare to Work), Workforce Innovation & Opportunity Act (WIOA), Trade Adjustment Assistance (TAA) and Computer Technical Support (CompTechS). Services are designed to prepare students with the specific skills needed for the local job market.

OTI offers students a wide selection of career training programs such as accounting, business, computer information systems, computer science, enterprise security, health technology, network administration, paralegal studies, design and manufacturing (CNC) and many others.

Location: SEM 1

Telephone: 408.864.8869

More information: deanza.edu/oti

CalWORKs

OTI supports CalWORKs students by assisting with enrollment into transfer or career training programs, on-campus paid work-study, advocacy and liaison with the referring county and supportive services.

Students who participate in CalWORKs are eligible for reimbursement for college fees, academic, career and personal counseling, development of an approved individualized education plan; as well as help with purchasing required textbooks, child care, priority registration and referrals to various community services such as health care, housing, clothing, food and a free computer for schoolwork.

CompTechS

CompTechS provides a unique opportunity for students who are interested in exploring careers in the tech industry. Students are trained on professional skills related to all aspects of a working environment. Through hands-on instruction, students learn how to refurbish donated computers that are then made available to needy students at no cost. Students may also have opportunities to apply for internships at Silicon Valley companies.

Fresh Success

Fresh Success is a new program developed to increase the employability of limited-income students by removing barriers to higher education, offering expanded services, and supporting them in completing degree or certificate programs that can lead to sustainable employment and higher wages.

Students can qualify for this program if they receive CalFresh benefits, major in Career Technical Education (career training) programs or enroll in basic skills, Career Technical Education, English as a Second Language or noncredit courses. For more information, contact Sabrina Stewart at stewartsabrina@deanza.edu.

WIOA/TAA

Students participating in WIOA or TAA programs may receive assistance with the cost of college fees, textbooks, supplies, parking fees or other expenses, depending on the referring or contracting agency. All students in these programs are eligible for a free computer for schoolwork. If a student is referred by a contracting agency such as the Workforce Board, the agency is responsible for paying OTI's administrative fees. Students who are not referred by a contracting agency will be responsible for paying OTI's administrative fees.

As a WIOA Title-I financially assisted program, Foothill-De Anza Community College District is an equal opportunity employer and program. Auxiliary aids and services are available upon request for individuals with disabilities.

Online Education

De Anza College offers a wide variety of online courses for students for academic credit, upgrading skills or changing careers. These courses are academically equivalent to and carry the same credits as on-campus courses.

Numerous courses meet General Education (GE) and transfer requirements. Students may complete most lower division GE requirements for the A.A. degree or to transfer to a four-year institution. Courses are designed for individuals with limited time to attend on-campus classes and who prefer more flexibility in scheduling and pace. For specific information on services provided to students with disabilities, please contact the Disability Support Services office on campus.

Online courses are delivered through an internet-based course management system. Instructor and student interaction will occur primarily online, although there may be a limited number of face-to-face meetings for some courses. Successful students enrolled in online courses are highly motivated, self-disciplined, possess good study skills and enjoy instruction that appeals to a variety of learning styles.

In addition to using the course platform and instructional media, all courses include readings in assigned texts and supplemental materials, homework assignments and interaction with De Anza faculty members and other students. Instructors are available to answer questions through one or more of the following means: online, by telephone or in person at the De Anza College campus.

Access to an individual email account is a requirement to participate in most online courses. Students receive a syllabus for each online course. Students are encouraged to take advantage of online access to library publications and materials and the many support services available to students. Students can also use the new free online tutoring service through their online courses.

Most work for online courses at De Anza may be completed without coming to campus. However, some courses may require on-campus meetings for purposes such as orientation, assessments or exams, or other on-campus activities as detailed in the schedule of classes. Other courses are designed with proctored exams, which enable students outside of the area to complete the course without being on site. Students who do not have access to a computer at home may use one of the open computer labs on campus to complete their coursework.

The Online Education Center provides support services to faculty and students. Students may contact the office if they are experiencing technical issues with the course management system.

De Anza College has transfer agreements with four-year institutions that welcome and encourage students to transfer and complete bachelor's degrees online. De Anza offers academic certificates and degrees in these subjects for which students can take all required units by taking online courses:

- Business Administration – Certificate of Achievement
- Business Information Worker – Certificate of Achievement
- Entrepreneurship – Certificate of Achievement
- Environmental Resource Management and Pollution Prevention – Certificate of Achievement
- Environmental Resource Management and Pollution Prevention – Certificate of Achievement-Advanced
- Management Information Systems Support – Certificate of Achievement
- Network Basics – Certificate of Achievement

Location: MLC 210

Telephone: 408.864.8969

Email: onlineeducation@deanza.edu

More information: deanza.edu/online-ed

Outreach and Relations With Schools (Office of)

The Office of Outreach and Relations with Schools works to attract a diverse student population and to support new students at De Anza, through innovative programs and collaborations with high schools, school districts and communities across the region. Its goal is to promote college access and success for all students, with emphasis on historically underserved and underrepresented student groups.

Outreach counselors and staff provide information about De Anza programs and services and serve as points of contact for high schools, students and parents, to support the successful transition of prospective students from high school to college. The office works with all divisions and programs on campus to coordinate institutional outreach efforts, meet enrollment targets and connect new students to programs and services.

The Outreach office serves new and prospective students and their families through a wide range of activities, including

- Outreach to area high schools – including college fairs, career and college nights, presentations, info tables, student ambassadors, application workshops, orientation and educational planning
- Annual high school partners conference at De Anza
- Annual high school student conferences at De Anza
- Enrollment Day, an annual event that offers high school students an opportunity to talk with counselors and instructors, learn about De Anza's academic programs and student services, and get assistance with steps that are important for a strong start in college – including assessment, creating an educational plan and more.
- Guided tours of the De Anza campus
- The Men of Color Community – a Learning Community that provides peer support, mentoring, tutoring, academic advising and other services
- Counseling, academic advising and follow-up for all new students who don't have access to counselors through another program
- Counseling, support and other follow-up services for students participating in the De Anza College Promise
- The Food Pantry and related programs that provide free food, emergency vouchers and other assistance to students who are struggling with food insecurity
- Referring students to campus and community resources as appropriate, including students who are experiencing housing insecurity or homelessness

Location: RSS 127

Telephone: 408.864.8327

Email: outreach@deanza.edu

More information: deanza.edu/outreach

Planetarium

The De Anza College Planetarium hosts a variety of star and laser light shows during fall, winter and spring quarter each year. Daytime field trips to the Planetarium can be reserved for school-age groups from October to July and virtual field trips can be reserved for school and camp groups throughout the year.

The Planetarium is also available for private shows. Visit the Planetarium website for more information.

Location: North of Parking Lot E

Telephone: 408.864.8814

Fax: 408.864.5643

Email: planetarium@deanza.edu

More information: deanza.edu/planetarium

Police

The Foothill-De Anza Community College District Police Department exists to serve and protect a social and academic environment that sustains moral and intellectual growth.

The department emphasizes being as proactive as possible in anticipating and preventing unsafe conditions, protecting facilities and property, and protecting individuals from the imprudent or illegal acts of others. Its operational philosophy of peacekeeping and protecting the campus is a service that best exists when it has the support and involvement of the total campus community.

Police services are available every day of the week and on holidays from 6 a.m. to midnight. In addition, the department provides these services:

Emergency Car Service

This service, provided when the department is adequately staffed and not attending to priority security needs, includes dead battery jumps or help if students lock themselves out of their car. This service is not available for vehicles with power locks and windows, or side air bags, or vehicles parked off campus.

Security Escorts

Escorts are provided for anyone wishing to be escorted to their car at any time of the day or night. During working hours, please call five minutes in advance.

Lost and Found

All items should be turned in or claimed at the district police substation.

Location: Campus Center 175, Lower Level

Telephone: 650.949.7313

More information: police.fhda.edu

IN CASE OF EMERGENCY: Call 9-1-1

Emergency from cell phone: 408.924.8000

Psychological Services

The Psychological Services office provides short-term psychological and personal counseling to students without charge. Therapists can assist students on a variety of topics, including family or relationship issues, stress, anxiety, depression, grief, sexual or sexual identity issues or substance misuse. The office can also provide information about outside community resources for additional services.

The office also hosts a variety of workshops and support groups each quarter. For more information and schedules for these groups, visit deanza.edu/psychologicalservices/workshops.

Students can also get free online mental health support through TimelyCare, which is available on the web and a mobile app. TimelyCare services include TalkNow, which allows students to speak right away with a mental health professional at any time (24/7), and Scheduled Counseling, which provides longer sessions with a licensed counselor by appointment. TimelyCare also offers information and referrals for basic needs resources on campus and in the community. To learn more, visit deanza.edu/resources/timely.

Location: RSS 258

Telephone: 408.864.8868

Email: dapsychservice@deanza.edu

More information: deanza.edu/psychologicalservices

Science Resource Center

The Science Resource Center is located in the Science Pavilion. The resources are used by the Biology, Chemistry, Health Technology, Math, Medical Laboratory Technician, Nutrition and Health students and instructors to supplement class, laboratory and individual study. Students can also sign up to use one of the group study/meeting rooms.

The center supports the principle that learning doesn't have to stop once a student leaves the classroom; the scientific experience can continue at a time more convenient to the student. While learning is often thought to be a process of the mind, it is heavily influenced by the learner's environment – the variety of stimuli, the social aspect of the setting, the spatial context, and even the amount of ambient light and sound have all been seen to affect the learning experience. The Science Resource Center, housed in a LEED-certified building, is well suited to the learning experience.

The center maintains an extensive collection of models, histology slides, charts and reference books as well as a comprehensive library of CD-ROMs for 21 computers available for student use. The center is open for all registered De Anza College students.

Location: SC3 101

Telephone: 408.864.8921

SmartPass

With the SmartPass, you pay one small fee and ride free on VTA, all quarter long!

The SmartPass program is a partnership between the De Anza Student Government (DASG) and the Santa Clara Valley Transit Authority (VTA).

Students with the SmartPass get unlimited rides on all VTA buses and light rail within Santa Clara County for the duration of each quarter, except Express services, provided they are enrolled in classes.

The SmartPass is not transferable to others and is funded through a mandatory quarterly fee, established by the DASG. Please visit the Office of College Life or the SmartPass website for more information.

More information: deanza.edu/smartpass

Stewardship Resource Center

The Stewardship Resource Center is operated by the Biological, Health and Environmental Sciences Division's Environmental Studies Department. The center provides tutorial and classroom support for Environmental Studies and Environmental Sciences courses and programs as well as students who are interested in learning about the stewardship of California and the environment.

Location: Kirsch Center 224 (southeast corner of campus)

Telephone: 408.864.5322

Student Success Center (Tutoring and More)

Tutoring and many other types of academic support are available in person and online through the Student Success Center, part of the Equity and Engagement Division.

The center supports classroom instruction by helping students at all levels become better learners and gain the confidence and skills to achieve their greatest possible academic success. The programs are facilitated by trained peer tutors, instructors and staff. Qualifying students are encouraged to serve as peer tutors.

Locations, hours, activities and more information for each of the following programs can be found online.

More information: deanza.edu/studentsuccess

Academic Skills Center

The Academic Skills Center offers workshops and study skills support to enhance college success for all De Anza students. Workshop topics include a variety of student life, study, reading, writing and grammar skills.

Location: ATC 302

More information: deanza.edu/studentsuccess/academicskills/

General Subjects Tutoring Center

The General Subjects Tutoring Center provides individual, group and drop-in peer tutoring in Business, Social Sciences and Humanities. Students who need assistance should apply for tutoring early in the quarter.

Location: ATC 304

More information: deanza.edu/studentsuccess/gensub/

Listening and Speaking Center

The Listening and Speaking Center provides a supportive environment to practice language and communication skills while making friends from all over the world. Activities and services include workshops, world languages tutoring, the Language Exchange Program, ESL software and recording rooms. Through these programs student improve conversation skills, listening ability, pronunciation and vocabulary, and build the confidence to achieve their academic and professional goals.

Location: ATC 313

More information: deanza.edu/studentsuccess/lsc/

Math, Science and Technology Resource Center

The Math, Science and Technology Resource Center provides a variety of resources that enable students to develop the skills and abilities necessary to succeed in their math and science courses. Trained tutors provide weekly, drop-in and group tutoring in math and science. This center also provides study skills and topic-specific workshops for math and science courses.

Location: S43

More information: deanza.edu/studentsuccess/mstrc/

Writing and Reading Center

The Writing and Reading Center empowers students at all levels to develop their writing and reading skills by providing drop-in, individual and group tutoring. Other academic support includes workshops and directed learning activities.

Location: ATC 309

More information: deanza.edu/studentsuccess/wrc/

Student Success and Retention Services

Student Success and Retention Services (SSRS) is an academic enrichment and support center overseen by the Division of Equity and Engagement. SSRS programs support first-generation college students and students with historically low retention, matriculation and transfer rates.

The SSRS Center provides students with a community of peers, instructors, counselors and staff members who foster a nurturing environment and encourage retention to support students in reaching their goals.

SSRS includes the First Year Experience, FLOW, IMPACT AAPI, LEAD (Latinx Empowerment at De Anza), Puente Project, Summer Bridge and Umoja Community programs. Through these programs, students have access to counseling and academic advising, a computer-equipped study center, peer mentoring and free tutoring, campus visits to four-year universities, scholarship and financial aid information, and a variety of other academic enrichment activities.

Location: LCW 102

Telephone: 408.864.8470

More information: deanza.edu/ssrsc

Transfer Center

The Transfer Center assists students whose goal is transferring to a four-year university. The Transfer Center is located in the Registration & Student Services Building and offers the following resources to assist students in researching options, making sound choices and planning a smooth transition between institutions:

- Information about articulation agreements, guaranteed admission programs and impacted majors
- Printed materials from a variety of colleges and universities, including University of California and California State University campuses
- Easy access to computers for transfer research

- Assist.org, an online site for researching articulation agreements between colleges and universities
- Visits from University of California, California State University and selected private university representatives to provide transfer advising
- Workshops on guaranteed admission, general education requirements and application procedures
- Workshops and advising on associate degrees for transfer
- Other counseling services available through the General Counseling and Advising Center

The Transfer Center sponsors special programs throughout the year. All scheduled activities are posted in the Transfer and Counseling centers and online.

Location: RSS, Second Floor

Telephone: 408.864.8841

More information: deanza.edu/transfercenter

Veteran Services

The Veteran Services Office supports veterans, service members, spouses and other family members by providing academic counseling and assistance in obtaining educational benefits from the U.S. Department of Veterans Affairs.

De Anza certifies Chapter 30 (Montgomery GI Bill®); Chapter 31 (Veteran Readiness and Employment); Chapter 32 (VEAP); Chapter 33 (Post-9/11 GI Bill®); Chapter 35 (Dependent's Education Assistance); Chapter 1606 (Montgomery GI Bill® Selected Reserve); and tuition assistance programs. (GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by the VA department is available at benefits.va.gov/gibill.)

Under federal regulations, students receiving VA benefits must maintain both satisfactory attendance and grade point average. Students will be notified that they are making unsatisfactory progress if their GPA falls below 2.0 for one quarter and they have been placed on probation. Students will have their VA benefits suspended if their GPA remains below 2.0 for a second consecutive quarter, or if their records show more than two quarters in which they are on probation with a cumulative GPA below 2.0.

You can learn more about the following topics on the college website:

- Tuition Assistance information for service members: deanza.edu/veterans/tuitionassistance
- Points of contact for service members, veterans, spouses and dependents: deanza.edu/veterans/college-contacts
- Student forms required for certification: deanza.edu/veterans/forms

Location: SEM 3

Telephone: 408.864.8723

More information: deanza.edu/veterans

Guided Pathways Villages

Villages are communities of students, faculty members and classified professionals with shared academic interests. All students are encouraged to join one of De Anza's six Villages, which are organized around groups of related majors and academic subjects.

Each Village is designed to support students in exploring their interests and working toward their goals. Villages offer workshops, events and other activities keyed to their subject areas. Students in each Village can receive guidance and support from a designated Success Team of academic counselors and staff members.

Villages are also centers for sharing relevant information and services, including program maps that provide a suggested plan for advancing through required courses – quarter by quarter – to obtain a desired degree, certificate or transfer in a particular major.

Students can meet and share with others in their Village by gathering in designated campus spaces, visiting their Village webpage or logging in to their Village site on Canvas, the college's online learning platform.

Villages are part of the collegewide Guided Pathways initiative to provide students with clear paths to achieving their academic goals.

More information: deanza.edu/villages

Artistic Expression Village

Imagine ~ Create ~ Inspire

Build practical skills to both communicate and inspire. Expand creative talents and hone an appreciation for beauty.

The **Artistic Expression** village includes programs that offer degrees or certificates from De Anza, and programs that offer courses you may be able to apply toward a four-year degree if you transfer.

Click these links to visit the department or program website, where you'll find information about courses, instructors and the requirements for earning a degree or certificate.

- Arts
- Dance
- Film/Television
- Graphic and Interactive Design
- Music
- Photographic Arts
- Professional Photography
- Theater

Business and Finance Village

Invest ~ Manage ~ Market

Make the numbers add up! Learn leadership and innovation while gaining knowledge and skills to succeed in business or related sectors.

The **Business and Finance** village includes programs that offer degrees or certificates from De Anza, and programs that offer courses you may be able to apply toward a four-year degree if you transfer.

Click these links to visit the department or program website, where you'll find information about courses, instructors and the requirements for earning a degree or certificate.

- Accounting
- Business Administration
- Management
- Marketing Management
- Real Estate

Health and Life Sciences Village

Examine ~ Nurture ~ Heal

Understand the workings of the human body and what supports life. Examine ways to nurture a balance between mind, body and environment.

The **Health and Life Sciences** village includes programs that offer degrees or certificates from De Anza, and programs that offer courses you may be able to apply toward a four-year degree if you transfer.

Click these links to visit the department or program website, where you'll find information about courses, instructors and the requirements for earning a degree or certificate.

- Biological Sciences
- Environmental Science
- Environmental Studies
- Health
- Health Technologies
- Human Development
- Kinesiology
- Medical Laboratory Technology
- Nursing
- Nutrition

Language and Communication Village

Communicate ~ Connect ~ Influence

Explore new ways to communicate and connect. Learn to persuade, speak new languages and discover methods of story-telling.

The **Language and Communication** village includes programs that offer degrees or certificates from De Anza, and programs that offer courses you may be able to apply toward a four-year degree if you transfer.

Explore the list of programs below. Click the links to visit department websites and learn about courses, degrees and certificates.

- Communication Studies
- English
- English as a Second Language
- French
- German
- Hindi
- Italian
- Japanese
- Korean
- Journalism
- Linguistics
- Mandarin
- Persian
- Public Relations
- Russian
- Sign Language
- Spanish
- Vietnamese

Physical Sciences and Technology Village

Explore ~ Experiment ~ Discover

Investigate the physical world, including the laws of math and science. Find new ways to design, create or repair physical systems.

The **Physical Sciences and Technology** village includes programs that offer degrees or certificates from De Anza, and programs that offer courses you may be able to apply toward a four-year degree if you transfer.

Explore the list of programs below. Click the links to visit department websites and learn about courses, degrees and certificates.

- Astronomy
- Automotive Technician
- Automotive Technology
- Chemistry
- Computer Information Systems
- Database Development Practitioner
- Design and Manufacturing Technologies
- Engineering
- Geology
- Mathematics
- Meteorology
- Physics
- Project Management Practitioner

Social Sciences and Humanities Village

Observe ~ Engage ~ Transform

Gain understanding of human behavior and social interactions. Prepare to question and transform systems or institutions that define our lives.

The **Social Sciences and Humanities** village includes programs that offer degrees or certificates from De Anza, and programs that offer courses you may be able to apply toward a four-year degree if you transfer.

Click these links to visit the department or program website, where you'll find information about courses, instructors and the requirements for earning a degree or certificate.

- Administration of Justice
- African American Studies
- Anthropology
- Asian and Asian American Studies
- Chicanx/Latinx Studies
- Child Development and Education
- Comparative Ethnic Studies
- Economics
- Geography
- Global Studies
- History
- Humanities
- Intercultural Studies
- International Studies
- Law, Public Policy and Society
- Leadership and Social Change
- Native American and Indigenous Studies
- Paralegal Studies
- Philosophy
- Political Science
- Psychology
- Social Justice Studies
- Sociology
- Women, Gender and Sexuality Studies

Admission and Registration

This section includes some important policies for admission and registration at De Anza College and the Foothill-De Anza Community College District.

A complete set of district Board Policies and Administrative Procedures can be found at go.boarddocs.com/ca/fhda/Board.nsf/Public

Admission Requirements

De Anza College admits anyone with a high school diploma, general education diploma (GED) or proficiency certificate, or who is at least 18 years old.

High school students may attend De Anza as dual enrolled students if they are currently enrolled in grades 9-12 and have submitted a permission form signed by their high school principal and parent or guardian. High school students who do not provide required documents will be dropped from their courses.

Advanced Placement Exams

Some AP exams with qualifying scores are accepted at De Anza College for granting credit or course placement. Official exam scores should be submitted electronically from the College Board to De Anza College. For more information, contact the evaluations staff in the Admissions and Records Office.

Location: RSS, First Floor

Telephone: 408.864.5300

Email: evaluationsda@deanza.edu

More information: deanza.edu/admissions/evaluations/ap

Attendance

Instructors determine individual class attendance policies, which are distributed to students at the beginning of each quarter. State guidelines also recommend that absences in excess of one week's class meetings may be considered excessive.

Instructors may drop students from a class for excessive absences; if this occurs, the class will be counted against the total number of enrollments allowed for the course. (See the catalog section on Excessive Drops.)

Auditing Classes

Students who have satisfactorily completed a class for the maximum allowable times may be able to audit a class for no credit.

Auditing carries no privilege other than to attend classes. Students do not receive credit for an audited course. Instructors have no obligation to grade tests or other class assignments submitted by an auditor; however, an instructor may permit an auditor to participate in class discussions.

Students enrolling for credit will have priority over auditors until the second week of the course, at which time auditors may enroll on a space available basis.

Students wishing to audit should contact the instructor. If the instructor approves, they will submit the necessary form to the Admissions and Records Office.

A $10 fee is assessed for audited classes; however, there is no charge for the first five units of an audited course for students enrolled in 15 or more quarter units for credit.

No student auditing a course shall be permitted to change his or her enrollment to receive credit for the course. Course audits may not be approved to override repetition rules.

Classification of Students

Students who have completed fewer than 45 quarter units of college credit are considered freshmen.

Students who have completed 45 or more quarter units of college credit, and have not earned a degree, are considered sophomores.

Evening and Weekend Classes

De Anza offers a wide range of evening and weekend courses, as well as online classes. Certain services are available on a limited basis on Saturdays.

More information: deanza.edu/schedule

Excessive Drops

Students may not enroll in the same course more than three times without successful completion. The limit includes enrollments leading to substandard grades or withdrawals.

Students who have enrolled in the same course twice without passing should see a counselor for assistance or seek tutoring.

Students may petition to enroll in the same course a fourth time, but approval will be highly selective, and any additional enrollments in the same course will not be approved.

High School Admissions: Dual Enrollment

High school students who are currently enrolled in grades 9-12 may apply to De Anza as special part-time students.

There is no enrollment fee for current high school students who qualify as part-time by taking 11 or fewer units during any regular quarter (fall, winter or spring) – or six or fewer units in the summer. However, students may still incur costs for textbooks and other fees. High school students will be considered full-time – and will be charged enrollment fees and other fees – if they enroll in more than 11 units in a regular quarter, or more than six units in summer, at De Anza College, Foothill College or both colleges combined. Students who want to take more than 11 units in a regular quarter, or more than six units in summer, should contact the Admissions and Records office. More information is available on the website at deanza.edu/admissions/dual.

Students without a high school diploma are not eligible for federal financial aid. De Anza recommends that students who are close to earning a high school diploma or GED complete those requirements, when possible, in order to apply and be considered for financial aid when they attend De Anza.

Before enrolling in English or math courses, or any course that has an English or math prerequisite, high school students must complete the assessment process to be placed in the right course for their skill level.

High school students attending De Anza are held to the same requirements, standards and policies as other college students, and should be aware of the Student Code of Conduct. They also receive the same protections under the Family Educational Rights and Privacy Act as other students, and their records cannot be released to family members without their consent.

Because De Anza offers courses at a college level, students and their families should be aware that course content may be adult in nature. De Anza also recommends that parents be aware of the "open" campus environment and discuss safety and accountability issues with their student prior to enrollment.

All coursework earned at De Anza is to be reported to any transfer college or university to which the high school student applies. Transcripts will not be automatically mailed to the student or the student's high school. Grade information can be accessed through MyPortal. Official transcripts may be requested through MyPortal or by ordering from De Anza's authorized transcript provider.

More information:

- deanza.edu/admissions/dual
- deanza.edu/admissions/order-transcripts

High School Completion

Many high schools recommend that students 18 years or older without a high school diploma complete their high school requirements by taking college courses. Students choosing to earn a diploma in this way should obtain a statement from their host high school principal or counselor indicating

- The necessary subjects to meet graduation requirements and the number of quarter credits in each
- A list of De Anza courses that may satisfy these high school requirements
- The total number of quarter units required, including electives
- Approval to use De Anza credit to meet high school requirements

The California Department of Education recommends that college credit equal twice the number of units earned in high school. For example, two college units would equal four high school semester periods.

Once De Anza courses have been completed, students should request that an official transcript be sent to the high school. Students may also enroll in additional courses not required for the diploma.

Students who have not earned a high school diploma are not eligible for federal financial aid to attend college. De Anza recommends that students who are close to earning a high school diploma or GED complete those requirements, when possible, in order to apply and be considered for financial aid when they attend De Anza.

Prerequisites

Prerequisites, corequisites and advisories are intended to guide students into courses in which they will have the greatest chance for academic success.

- "Prerequisite" means a condition that a student is required to meet in order to demonstrate current readiness for a course or educational program.
- "Corequisite" means a course that a student is required to simultaneously take in order to enroll in a course or educational program.
- "Advisory" or recommended preparation means a condition that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program.

Clearing or Challenging Prerequisites

You may not have to take a prerequisite or corequisite class if you can satisfy certain criteria for "clearing" a prerequisite. Visit deanza.edu/admissions/evaluations/prerequisites to learn more.

As a separate process, students may be able to challenge a prerequisite or corequisite if they can demonstrate that

- They have the knowledge or ability to succeed in the course without the prerequisite or corequisite
- The prerequisite or corequisite has been established in an arbitrary manner
- The prerequisite is discriminatory or is applied in a discriminatory manner
- The prerequisite course is not reasonably available

Students who wish to challenge a prerequisite or corequisite should contact the Evaluations Unit at evaluations@deanza.edu for instructions on how to proceed.

More information: deanza.edu/admissions/evaluations/prerequisites

Priority Registration

De Anza follows state and local requirements for priority registration. These are intended to help new students have a good start in college by following important steps for success, and to reward continuing students who are making steady progress toward their goals.

To qualify for priority registration, students must follow these steps

1. Declare a major on their application – not "Undecided."
2. Select a goal of transfer, degree or certificate.
3. Complete the assessment process. Most students can be assessed on the basis of their U.S. high school transcripts and GPA. De Anza also has a Guided Self-Placement tool for students who did not attend a U.S. high school in recent years. Learn more at deanza.edu/assessment.
4. Complete orientation. Orientation provides important information students need to succeed in college. The requirement may be fulfilled either through an orientation workshop or the online orientation. See link.deanza.edu/orientation for details.
5. Create an educational plan through Degree Works. New students develop an abbreviated educational plan for their first one or two quarters. Continuing students should have a comprehensive educational plan for three or more quarters. Learn more at link.deanza.edu/edplan. Students may change their major or educational goal through MyPortal.

In order to receive priority registration, students cannot have completed more than 150 quarter units in degree-applicable courses. W and I grades are not included. Pre-collegiate English, ESL and Math classes do not count toward the 150 units.

Priority Registration Order

In accordance with state and local regulations, students will be assigned registration dates in the following order.

1. Veterans, foster youth, DSPS, EOPS, CalWorks and Tribal TANF students who have completed orientation, assessment and an educational plan.
2. Student athletes who have
    - Selected an educational goal of transfer, degree or certificate
    - Declared a major and have not been on probation for two consecutive terms
    - Completed orientation, assessment and an educational plan
3. Continuing students who have
    - Selected an educational goal of transfer, degree or certificate
    - Declared a major and have not been on probation for two consecutive terms
    - Completed orientation, assessment and an educational plan
4. New college students who have
    - Completed assessment, orientation and an educational plan
    - Selected an educational goal of transfer, degree or certificate
    - Declared a major
5. New college students who have
    - Selected an educational goal of transfer, degree or certificate
    - Declared a major and have not been on probation for two consecutive terms
    - Not completed assessment, orientation or an educational plan
6. Returning students and new transfer students who have
    - Selected an educational goal of transfer, degree or certificate
    - Declared a major and have not been on probation for two consecutive terms
7. All other college students, including continuing students who have not declared a major or who have not selected an educational goal of transfer, degree or certificate
8. Dual enrolled high school students

More information: link.deanza.edu/priority

Repeating Courses

California law limits the number of times you may take the same class at a community college. (See Title 5 § 55024, 55040, 55042, 55045 and 58161.)

You may repeat a course for which you have earned a substandard grade (such as F, D or NP) or a W. However, you may not enroll in the same course more than a total of three times, including times when you received a substandard grade or W. If you get a W or substandard grade in the same course twice, you will not be able to enroll in the course again until you contact the Admissions and Records office and obtain clearance for taking the course a third time.

If you repeat a course because of a W or substandard grade, the second grade will replace the first in calculating your GPA, but the initial course and grade will remain on the permanent record. If you take the class for a third time, your GPA will include the third grade and not the first two grades. If you do not successfully complete the course on the third attempt, you must take the course at another college outside the district (not Foothill College), or choose another course if one is available that meets your transfer or graduation requirements.

Most courses cannot be repeated if you receive a grade of C or better, unless you show documented proof that you must repeat the course due to a significant lapse of time (at least three years), a legal requirement for employment or licensing, a disability requiring accommodation or other extenuating circumstances.

However, a small number of courses are designated as "repeatable" under separate conditions listed in the course description. Courses that are designated as "repeatable" are subject to a limit of six enrollments, including any times that resulted in a substandard grade or W, unless otherwise specified.

Only these types of courses are designated as "repeatable" (see Title 5 § 55041):

- Courses for which repetition is necessary to meet major requirements of CSU or UC to complete a bachelor's degree
- Intercollegiate athletics
- Specific courses designated as Special Education that meet criteria set forth in Title 5

Terms of repeatability for these courses are clearly stated in the course descriptions.

Active Participatory Course Limits (Course Families)

There are also limits on certain "families" of related courses that involve active participation – such as physical education, visual arts or performing arts – and these "family" limits apply to classes at both De Anza and Foothill College. (See Title 5 § 55000.)

Under state rules, each of these courses is nonrepeatable and can only be taken one time. In addition, you may not enroll more than six times in courses within a designated course family,

regardless of whether the courses are offered at De Anza or Foothill College. This limit includes any times when you receive a substandard grade (D, F, NP or NC) or a W.

If you enroll in a De Anza course that is equivalent to a Foothill course within a course family, you may not take the Foothill course at any time, and vice versa.

More information: link.deanza.edu/repeat-limits

Residency Requirements

Here are some important policies regarding California residents and nonresidents.

California Residents

Students who have established California residency for at least one year prior to the term in which they wish to enroll and have met residency conditions required by state regulations may enroll as California residents for tuition purposes.

Nonresidents

California residents and residents of other states or territories, who have not resided in the state for one year prior to the term in which they wish to enroll, must pay nonresident tuition when attending De Anza.

Students holding various visas, or undocumented or out-of-status immigrants, may not establish residency and must pay nonresident tuition when enrolling at De Anza. However, nonresidents may be able to establish residency if they meet the requirements of California Education Code § 68062. Others may be exempted from paying nonresident fees through AB 540 eligibility (§ 68130.5), which allows certain nonresident students who have attended a California high school for three years and earned a diploma or equivalent to be charged resident fees. (Students with nonstudent visas or who are out of status or undocumented should contact the Admissions and Records Office to determine residency and discuss other attendance eligibility requirements.)

Students who are attending another college on an F or F-1 visa, but wish to take a class at De Anza, must submit an official letter from the host college that issued their I-20 form. This letter should state the student's standing, confirm their full-time status and provide authorization for the student to take specific De Anza classes.

Students seeking residency eligibility based on military active duty status, military dependent status or other military considerations, should contact the Veteran Services office at 408.864.8723 for specific eligibility criteria.

The Foothill-De Anza District uses the statewide OpenCCC system as its admissions application. This application is very strict about meeting state residency requirements and many applicants are initially given nonresident status based on application answers. Applicants who believe they meet residency requirements need to submit a Residency Reclassification Request Form to the Admissions and Records office and provide state-approved documentation for review within two weeks of a new quarter.

More information: deanza.edu/admissions/residency

Summer Session

De Anza offers day and evening summer classes in sessions of varying lengths. Summer courses are comparable in academic standards and content and earn similar credits as classes offered during regular quarters.

Summer enrollment enables students to complete prerequisites or accelerate their progress. High school students who have completed ninth grade may take enrichment or vocational courses during summer session, or enhance their college applications by completing college-level work. All regular term attendance and academic policies apply to summer sessions.

More information:

- deanza.edu/calendar
- deanza.edu/schedule

General Policies

This catalog section includes general rules and policies for De Anza College and the Foothill-De Anza Community College District.

Academic Freedom

Academic freedom encompasses the freedom to study, teach and express ideas and viewpoints, including unpopular and controversial ones, without censorship, political restraint or retribution. Academic freedom allows for the free exchange of ideas in the conscientious pursuit of truth. This freedom exists in all service areas, including but not limited to teaching, librarianship, counseling, coordinating and all faculty-student interactions. Academic freedom is the bedrock principle of all institutions of learning and must be extended to all faculty members regardless of their status as full-time, part-time or probationary.

Faculty members have the principal right and responsibility to determine the content, pedagogy, methods of instruction, the selection, planning and presentation of course materials, and the fair and equitable methods of assessment in their assignment in accordance with the approved curriculum and course outline and the educational mission of the district, and in accordance with state laws and regulations.

These rights and responsibilities include, but are not limited to, the faculty member's choice of textbooks and other course materials, assignments and assessment methods, teaching practices, grading and evaluation of student work, and teaching methods and practices.

Academic Integrity

De Anza College is committed to excellence in the pursuit of learning and academic achievement by its students. To further this goal, the college is committed to providing academic standards that are fair and equitable to all students in an atmosphere that fosters integrity on the part of student, staff and faculty alike.

The student's responsibility is to perform to the best of their potential in all academic endeavors. This responsibility also includes abiding by the rules and regulations set forth by individual faculty members related to preparation and completion of assignments and examinations. The submission of work that is not the product of a student's personal effort, or work which in some way circumvents the given rules and regulations, will not be tolerated. It is the responsibility of the faculty to clearly define the requirements and rules applicable to their courses for all students.

An applicable paragraph of the California State Educational Code (§ 76130) states: "Code of Student Conduct: The college has an obligation to specify those standards of behavior essential to its educational mission and campus life. The following types of misconduct for which students are subject to disciplinary sanction apply at all times on campus as well as to any off-campus functions sponsored or supervised by the college: cheating, plagiarism or knowingly furnishing false information in the classroom or to a college officer."

Academic Renewal

Under district Administrative Procedure 4240, students may request that up to 45 units of coursework (three consecutive quarters plus a summer session at De Anza or Foothill College) be disregarded and not calculated into their cumulative GPA, when such work does not reflect their current ability. Only non-passing grades will be excluded from the cumulative GPA.

Academic renewal at De Anza College does not guarantee that other colleges will accept this action, which is at the discretion of the transfer institution. Once a degree or certificate has been awarded by De Anza or Foothill College, courses taken prior to the awarding of the degree or certificate cannot be excluded.

Students requesting this action should submit the Petition for Academic Renewal, which can be found in MyPortal by opening Apps > Adobe Sign Student Forms > Student Webforms. After completing the first part of the petition, the student should make an appointment with a counselor, who must review and sign the form before forwarding it to the Admissions and Records Office. Approval is subject to the following conditions:

- At least three quarters must have elapsed since the last quarter to be disregarded was completed.
- Since the last quarter to be considered for Academic Renewal, students must have completed at least
- 15 units with a 3.0 GPA, or
- 30 units with a 2.5 GPA, or
- 45 units with a 2.0 GPA

Work completed at another institution, including upper division coursework, may be considered.

- A student may be granted academic renewal only once.
- Academic renewal actions are irreversible.
- A substandard grade in any course that has been discontinued may be disregarded from the student's cumulative GPA and may be granted an exception to the minimum requirements for academic renewal.
- Courses selected by the student for academic renewal will not be counted toward the student's GPA and unit requirements or totals.
- The student transcript will be annotated in such a manner that all work – including work that is disregarded through academic renewal – remains legible to ensure a true and complete history.

ADA Accommodation

The board of trustees of the Foothill-De Anza Community College District upholds that improving access to educational and employment opportunities for people with disabilities must be a priority. The board has directed the administration to take the necessary actions to implement the requirements of the Americans with Disabilities Act and Section 504 of the Rehabilitation Act.

De Anza College and the Foothill-De Anza district shall not discriminate against a qualified individual with a disability because of the disability, with regard to employment or the provision of district programs, services and activities.

Students who are otherwise qualified may request accommodation related to their disability, provided the accommodation does not impose an undue hardship on the district. The procedures for requesting accommodation are available from the Disability Support Services program, the office of the ADA coordinator and the district Human Resources office.

The ADA coordinator for De Anza College is the dean of Student Development and EOPS, who can be contacted at 408.864.8218.

College policies and procedures regarding ADA compliance, mutual respect, nondiscrimination, sexual harassment and Title IX can be found on the college website at deanza.edu/policies.

Information and forms for filing a complaint can be found at deanza.edu/student-complaints or by contacting the dean of Student Development and EOPS at 408.864.8218 or the dean of Counseling and Disability Support Programs and Services at 408.564.8945.

Appeal Review Committee

The Appeal Review Committee is responsible for ensuring consistent, fair and equitable handling of student petitions for exceptions to academic and registration rules. The committee handles evaluation, enforcement, interpretation and granting exceptions for cause. Under committee rules, each case must stand on its own merit.

More information: deanza.edu/admissions/arc

Catalog Rights

The college catalog serves as an agreement between the college and students. Students should be aware of published requirements, regulations and guidelines. De Anza students may follow the degree, certificate and general education requirements in effect for the catalog year in which they first enroll, or any subsequent catalog, providing they are continuously enrolled.

Students may choose one catalog year for meeting general education requirements and another catalog year for meeting major requirements. It is recommended, however, that students choose the most recent catalog year for completing major requirements.

De Anza reserves the right to change catalog rights by modifying program requirements based on legal mandates and accreditation standards.

Computer and Network Use

This section covers relevant college and district policies including

Rights and Responsibilities

The Foothill-De Anza Community College District owns and operates a variety of computer and communication systems, including voicemail, electronic mail (email), telephone and access to the internet, which are provided for the use of the district faculty, administrators, staff and students in support of the programs of the colleges and district. Hereinafter, this system and all of its component parts shall be referred to as the "district network." This network establishes a communications platform that often substitutes for in-person meetings regarding district business.

The Computer and Network Use: Rights and Responsibilities Policy applies to all members of the district community using the district network including faculty, administrators, staff, students, independent contractors and authorized guests. The policy covers use of computer equipment and communication systems at any district facility in computer labs, classrooms, offices, libraries and the use of the district servers and networks from any location. If any provision of this policy is found to be legally invalid it shall not affect other provisions of the policy as long as they can be effective without the invalid provision.

Ownership Rights

The policy is based upon and shall be interpreted according to the following fundamental principle: the entire district network, and all hardware and software components within it, is the sole property of the district, which sets the terms and conditions of its use consistent with the law. Except as provided in board policy or collective bargaining agreements pertaining to intellectual property rights, employees and students have no rights of ownership to these systems or to the information they contain by virtue of their use of all or any portion of the district network.

Privacy Interests

The district recognizes the privacy interests of faculty and staff members and their rights to freedom of speech, participatory governance and academic freedom, as well as their rights to engage in protected union and concerted activity. However, both the nature of electronic communication and the public character of district business make electronic communication less private than many users anticipate. In addition the district network can be subject to authorized and unauthorized access by both internal and external users. For these reasons, there are virtually no online activities or services that guarantee an absolute right of privacy, and therefore the district network is not to be relied upon as confidential or private. Nonetheless, the district seeks to afford email communication privacy protections comparable to those it traditionally affords paper mail and telephone communications.

District Rights

System administrators may access user files or suspend services they manage without notice

- To protect the integrity of computer systems
- Under time-dependent, critical operational circumstances
- As required by and consistent with the law
- When it is reasonable to believe that violations of law or district policy or procedures have occurred

For example, system administrators, following organizational guidelines, may access or examine individual files or accounts based on suspicion that they have been corrupted or damaged or subject to unauthorized use or misuse. In such cases of access without notice, data or information acquired may be used to initiate or extend an investigation related to the initial cause or as required by law or board policy. Such data or information may also be used as grounds for appropriate personnel action.

User Rights

While the district monitors electronic usage as part of its normal network operating procedures, the district does not routinely inspect or monitor users' computer hardware or files, email or telephone messages, nor disclose information created or stored in such media without the user's consent. The district shall attempt to notify users before accessing computer hardware and files or prior to suspending service. In the event that the district acts without user consent, under its district rights specified above, the district shall do so with the least perusal of contents and the least action necessary to resolve the immediate situation. When the district accesses files without user consent, it shall notify the user as soon as possible of its access and provide the reason for its action.

User Responsibilities

The board recognizes that computers and networks can provide access to resources on and off campus, as well as the ability to communicate with other users worldwide. Such open access is a privilege and requires that individual users act responsibly. Users must respect the rights of other users, respect the integrity of the systems and related physical resources and observe all relevant law, regulations and contractual obligations.

For district employees, the intended uses of the district network are those which are reasonable and necessary for the pursuit of job duties; for students, the intended uses are those which are reasonable and necessary for the pursuit of instructional activities. Although personal use is not an intended use, the district recognizes that the network will be used for incidental personal activities provided that such use is within reason and provided that such usage is ordinarily on an employee's own time, is occasional, and does not interfere with or burden the district's operation.

"Unauthorized uses" include prohibited uses and any other use for a prohibited purpose, including illegal activities, messages which may constitute discrimination or harassment under state or federal law, or anything that interferes with the intended use. These types of prohibited uses and purposes are further defined in Administrative Procedure 3250.

All users of the district network must read, understand and comply with this policy as well as Administrative Procedure 3250, and any additional guidelines established by the district. Such guidelines will be reviewed by the district and may become subject to board approval as a district policy or procedure. By using any part of the district network, users agree that they will comply with this policy.

Copies of this policy can be found in the policies section of the college catalog, faculty handbooks, new classified employee handbook and the handbook for new administrators. Copies of this policy are also available in the district Human Resources Office, the office of the dean of Student Development and EOPS, and on the district's website at fhda.edu.

Enforcement

The board directs the chancellor or designee to enforce all existing federal and state law and district and college policies, including not only those laws and regulations that are specific to computers and networks but also those that apply generally to personal conduct. Violations of this policy will be dealt with in the same manner as violations of other district policies or standards of behavior and may result in disciplinary action, subject to applicable due process requirements.

Users who believe this policy has been misinterpreted or misapplied may file a complaint in accordance with the complaint procedures found in Administrative Procedure 3250. Students who do not observe the requirements of this policy may be in violation of the Student Code of Conduct and subject to student discipline.

Both the Board Policy Manual and Administrative Procedures Appendix may be found at go.boarddocs.com/ca/fhda/Board.nsf/Public

Misuse of Computer Information

This administrative procedure (AP 3250) implements Board Policy 3250.

Abuse of computing, networking or information resources contained in or part of the district network may result in the loss of computing privileges. Additionally, abuse can be prosecuted under applicable statutes. Users may be held accountable for their conduct under any applicable district or college policies, procedures or collective bargaining agreements. Complaints alleging abuse of the district network will be directed to those responsible for taking appropriate disciplinary action. Illegal reproduction of material protected by U.S. copyright law is subject to civil damages and criminal penalties including fines and imprisonment.

Examples of behaviors constituting abuse which violate district Board Policy 3250 include, but are not limited to, the following activities.

System Abuse

- Using a computer account that one is not authorized to use
- Obtaining a password for a computer account that one is not authorized to have
- Using the district network to gain unauthorized access to any computer systems
- Knowingly performing an act which will interfere with the normal operation of computers, terminals, peripherals or networks
- Knowingly running or installing on any computer system or network, or giving to another user, a program intended to damage or to place excessive load on a computer system or network including programs known as computer viruses, Trojan horses and worms.
- Knowingly or carelessly allowing someone else to use their account who engages in any misuse in violation of Board Policy 3250 or Administrative Procedure 3250
- Forging email messages
- Attempting to circumvent data protection schemes or uncover or exploit security loopholes
- Masking the identity of an account or machine
- Deliberately wasting computing resources

- Downloading, displaying, uploading or transmitting obscenity or pornography, as legally defined
- Attempting without district authorization to monitor or tamper with another user's electronic communications, or changing, or deleting another user's files or software without the explicit agreement of the owner, or any activity which is illegal under California computer crime laws
- Personal use which is excessive or interferes with the user's or others' performance of job duties, or otherwise burdens the intended use of the network
- Illegal downloading or distribution of copyright-protected materials, including but not limited to music and videos

Harassment

- Using the telephone, email or voice mail to harass or threaten others
- Knowingly downloading, displaying or transmitting by use of the district network, communications, pictures, drawings or depictions that contain ethnic slurs, racial epithets or anything that may be construed as harassment or disparagement of others based on their race, national origin, sex, sexual orientation, age, disability, religious or political belief
- Knowingly downloading, displaying or transmitting by use of the district network sexually explicit images, messages, pictures, or cartoons when done to harass or for the purposes of harassment
- Knowingly downloading, displaying or transmitting by use of the district network sexually harassing images or text in a public computer facility or location that can potentially be in view of other individuals
- Posting on electronic bulletin boards material that violates existing laws or the colleges' codes of conduct
- Using the district network to publish false or defamatory information about another person

Commercial Use

- Using the district network for any commercial activity, without written authorization from the district. "Commercial activity" means activity for financial remuneration or designed to lead to financial remuneration

Copyright Violation

- Violating terms of applicable software licensing agreements or copyright laws
- Publishing copyrighted material without the consent of the owner on district websites in violation of copyright laws

Exceptions

Activities by technical staff, as authorized by appropriate district or college officials, to take action for security, enforcement, technical support, troubleshooting or performance testing purposes will not be considered abuse of the network.

Although personal use is not an intended use, the district recognizes that the network will be used for incidental personal activities and will take no disciplinary action provided that such use is within reason and provided that such usage is ordinarily on an employee's own time, is occasional and does not interfere with or burden the district's operation. Likewise, the district will not purposefully surveil or punish reasonable use of the network for union business-related communication between employees and their unions.

Illegal Distribution Of Copyrighted Materials

De Anza College students are prohibited from using the Foothill-De Anza Community College District network to illegally download or share music, video and all other copyrighted intellectual property. De Anza College supports the Higher Education Opportunity Act and the Digital Millennium Copyright Act including efforts to eliminate the illegal distribution of copyrighted material. Under the law, college administrators may be obligated to provide copyright holders with information about users of the district network who have violated the law.

Unauthorized downloading, file sharing or other distribution of copyrighted materials (including unauthorized peer-to-peer file sharing), may constitute a violation of the law. These violations may lead to academic academic, criminal and civil penalties, including

- Legal penalties for infringing on smaller-value copyrighted works under the Copyright Alternative in Small-Claims Enforcement Act of 2020
- A civil lawsuit by the Recording Industry Association of America

Learn more at riaa.com/resources-learning/for-students-educators

In addition to being illegal, file sharing can degrade the district network's performance and ultimately cost the college money, while slowing computer connections for students and employees who are using the network for legitimate academic purposes.

Continuous Enrollment

For the purpose of determining the catalog year used to evaluate degree or certificate eligibility requirements, students must be continuously enrolled in for-credit courses since the first term of enrollment.

Continuous enrollment is equal to at least two quarters each academic year at De Anza or Foothill College. A single W in a term qualifies as enrollment in that term.

Course Offerings

De Anza College will take steps to ensure that students in its two-year degree programs will be able to obtain the degree in two years providing they adhere to the prescribed pattern and sequence of courses and are ready to begin college-level work upon entry.

Courses that meet major requirements shall be listed in curriculum sheets distributed by the college. De Anza and Foothill colleges will take steps to ensure those courses are offered at one or both of the two colleges with appropriate frequency.

Minimum class size guidelines apply to all lecture, lecture-lab and laboratory classes. A minimum class size of 20 is generally required. Special circumstances, however, may necessitate the continuation of a class below the 20-student minimum. The key factor in making a decision to continue will be based upon program needs. Such cases may include second- or third-quarter or second-year sequential courses, courses required for an identified major or career subject area, combined courses meeting at the same hour with the same instructor, and one-of-a-kind offerings needed for graduation or transfer. Exceptions to minimum class size guidelines may also be based on

- Limited classroom or laboratory facilities
- Statutory and state regulations mandating class size, independent study and special projects

Other circumstances that warrant exception may be made by the Office of Instruction.

Enrollment numbers for all sections are monitored by the Office of Instruction throughout the registration process. In consultation with the appropriate division dean, low-enrolled classes will be identified and an appraisal made of the enrollment pattern. When warranted, sections may be cancelled early in the registration process to foster improved enrollment in remaining sections.

Credit By Examination

Students may file a request for credit by examination during any regular quarter for courses in which they are especially qualified through previous training or experience, and for which prior AP or college credit has not been awarded. Students may obtain the appropriate forms from their counselor.

The decision to offer credit by examination rests solely on the discretion of the faculty for that discipline. Additional requirements include:

- A separate examination shall be conducted for each course for which credit is to be granted.
- Credit may be granted only to a student who is registered and in good standing at the college.
- Credit will be granted only for a course listed in the college catalog.
- The student's academic record will be clearly annotated to reflect that credit was earned by assessment of prior learning.
- Grades will be assigned according to the college's regular grading system, except that students will be offered a Pass/No Pass option if that is ordinarily available for the course.
- Students will be charged a fee of $31 per unit when seeking credit by examination.
- Credit by examination units shall not be counted in determining the 12 quarter hours of credit in residence required by state regulations for an associate degree.
- Students may not request credit by examination for courses for which they have already earned a grade.
- Credit by examination units may not be used to meet the 24 residency units required to earn a degree at De Anza.
- No more than 45 credit by examination units may be earned.
- Students who successfully challenge a course through credit by examination may not subsequently challenge a course normally preceding it (for example, challenging Chemistry 1B and then challenging Chemistry 1A).
- Transfer colleges and universities have the discretion to decide if they will accept credit by examination for requirements or units.

Challenge is limited to those courses recommended by the divisions and approved by the vice president of Instruction. Special limitations exist for challenging courses in sequence. The examination may include oral, written, or skill tests, or a combination and will be sufficiently comprehensive to assess the student's knowledge and skills commensurate with a student successfully completing the course.

The credit by examination grade will be noted on the student's transcript at the end of the quarter. Students who do not successfully challenge may not remain enrolled in the course.

The following courses are challengeable.

Applied Technologies

- AUTO 50A and 50B, AUTO 51A and 51B – must pass A and B classes to receive credit
- DMT 80

Biological, Health and Environmental Sciences

- HTEC 50, 60A, 73
- NURS 50

Business and Computer Science

- ACCT 1A, 1AH
- CIS 2, 31, 50, 66, 67A, 67B, 74, 75A – CIS classes that have lab hours are not challengeable

Creative Arts

- ARTS 53
- F/TV 20

Intercultural and International Studies

The World Languages Department does not give credit by examination for any foreign language class. Students can place at the appropriate level in the foreign language curriculum, depending on their language proficiency level.

Language Arts

- JOUR 61A

Physical Science/Math/Engineering

- None

Social Sciences and Humanities

- ADMJ 1, 95
- PARA 94, 95
- POLI 10, 95

A special no-credit challenge exam is available to meet the California State/Local Government portion of the CSU United States History, Constitution and American Ideals requirement.

Crime Statistics

De Anza College provides an annual crime statistics report in accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act. Current statistics are available on the college website at deanza.edu/police/clerystatistics.

The full Clery Act Annual Security Report may be obtained through the Foothill-De Anza district police department at police.fhda.edu

CRIMINAL OFFENSES	ON CAMPUS 2019	ON CAMPUS 2020	ON CAMPUS 2021	PUBLIC PROPERTY 2019	PUBLIC PROPERTY 2020	PUBLIC PROPERTY 2021	NON CAMPUS PROPERTY 2019	NON CAMPUS PROPERTY 2020	NON CAMPUS PROPERTY 2021
Murder/Non-Negligent Manslaughter	0	0	0	0	0	0	0	0	0
Negligent Manslaughter	0	0	0	0	0	0	0	0	0
Rape	0	0	0	0	0	0	0	0	0
Fondling	0	0	0	0	0	0	0	0	0
Incest	0	0	0	0	0	0	0	0	0
Statutory Rape	0	0	0	0	0	0	0	0	0
Robbery	2	0	0	0	0	0	0	0	0
Aggravated Assault	0	0	0	0	0	0	0	0	0
Burglary	1	2	1	0	0	0	0	0	0
Motor Vehicle Theft	0	0	0	0	0	0	0	0	0
Arson	0	1	0	0	0	0	0	0	0
Dating Violence	0	0	0	0	0	0	0	0	0
Domestic Violence	3	0	0	0	0	0	0	0	0
Stalking	0	1	0	0	0	0	0	0	0
Hate Crimes	0	0	1	0	0	0	0	0	0

SPECIAL CATEGORY ARRESTS	ON CAMPUS 2019	ON CAMPUS 2020	ON CAMPUS 2021	PUBLIC PROPERTY 2019	PUBLIC PROPERTY 2020	PUBLIC PROPERTY 2021	NON CAMPUS PROPERTY 2019	NON CAMPUS PROPERTY 2020	NON CAMPUS PROPERTY 2021
Weapons Violations	3	3	0	0	0	0	0	0	0
Drug Violations	15	0	2	0	0	0	0	0	0
Liquor Laws	2	1	2	0	0	0	0	0	0

DASG Card Policies

The DASG card is the property of De Anza Student Government and entitles the student to access and service privileges as long as the student is current in paying the quarterly student government fee. Access and privileges may be denied if the student is delinquent in paying fees.

The initial DASG card is free with the payment of the quarterly student government fee. Subsequent or replacement cards will cost $5 and are subject to the DASG's replacement card policies. To avoid paying the replacement fee, students are encouraged to retain the card for future use when not continuously enrolled or when leaving campus for the summer.

The DASG card serves as an official identification card for access at numerous labs and the Library, as well as events and services on campus. The card should be carried at all times while students are on campus and at campus-sponsored events.

The DASG card shall not be transferred, altered or tampered with in any way except as authorized by De Anza College officials. Strict penalties may apply for unauthorized actions.

With the exception of the Foothill-De Anza district police, campus departments may not hold the DASG card for any reason. Recovered cards should be returned to the Office of College Life immediately.

If the DASG card is lost, stolen or damaged, the Office of College Life should be notified immediately. The $5 replacement fee will be waived if the card is stolen and a police report is provided to the Office of College Life. To be considered stolen, the card must be taken as a result of a burglary, theft, mugging or other crime. It won't be considered stolen if it is simply reported as lost property or if the student can't find it and thinks it was stolen.

A DASG card will be replaced at no charge if the card is expired or the student has not registered for three quarters or more.

DASG card policies are subject to change.

More information: deanza.edu/collegelife/idcard/

Drug and Alcohol Policy

The unlawful possession, use or distribution of any illicit drug or alcohol by students or employees on college property or at college-sponsored activities or events is prohibited. Violation may constitute criminal conduct, which could result in criminal prosecution under state and federal law.

It is the policy of the college to impose appropriate disciplinary sanctions on employees and students for the unlawful possession, use or distribution of illicit drugs or alcohol. Appropriate disciplinary sanctions may include suspension or expulsion for students or suspension or termination for employees, and may also include requiring the completion of a rehabilitation program.

The standards of conduct for students and the applicable sanctions for violating the standards are contained in the Foothill-De Anza Community College District Board Policy on Student Rights and Responsibilities and in Administrative Procedures 5510 and 5520.

Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. § 1232g; 34 CFR Part 99) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education.

FERPA gives parents certain rights with respect to their children's education records. These rights transfer to students when they reach the age of 18 or attend a school beyond the high school level. Students to whom the rights have transferred are "eligible students."

- Eligible students have the right to inspect and review the student's education records maintained by the school. Schools are not required to provide copies of records unless, for reasons such as great distance, it is impossible for parents or eligible students to review the records. Schools may charge a fee for copies.
- Students have the right to request that a school correct records that they believe to be inaccurate or misleading. If the school decides not to amend the record, the student then has the right to a formal hearing. After the hearing, if the school still decides not to amend the record, the student has the right to place a statement with the record setting forth their view about the contested information.
- Generally, schools must have written permission from the student in order to release any information from a student's education record. However, FERPA allows schools to disclose those records, without consent, to the following parties or under the following conditions (34 CFR § 99.31):
    - School officials with legitimate educational interest
    - Other schools to which a student is transferring
    - Specified officials for audit or evaluation purposes
    - Appropriate parties in connection with financial aid to a student
    - Organizations conducting certain studies for or on behalf of the school
    - Accrediting organizations
    - Parties designated under a judicial order or lawfully issued subpoena
    - Appropriate officials in cases of health and safety emergencies
    - State and local authorities, within a juvenile justice system, pursuant to specific state law

Schools may disclose, without consent, "directory" information such as a student's name, address, telephone number, date and place of birth, honors and awards, and dates of attendance. However, schools must tell students about directory information and allow students a reasonable amount of time to request that the school not disclose directory information about them. Schools must notify students annually of their rights under FERPA. The actual means of notification (special letter, inclusion in a PTA bulletin, student handbook or newspaper article) is left to the discretion of each school.

FERPA Exception: Solomon Amendment

The Solomon Amendment is a federal law (10 U.S.C. §503) that allows military recruiters to obtain certain address, biographical and academic information for students who are 17 or older. The U.S. Department of Education has determined that this law takes precedence over the Family Educational Rights and Privacy Act (FERPA), which limits sharing of student records. Colleges that fail to comply with the Solomon Amendment risk losing federal funding.

Under the Solomon Amendment, recruiters from each of the 12 U.S. military branches (Army, Army National Guard, Navy, Navy Reserve, etc.) may request the following information for current, full-time students age 17 or older, once per term:

- Name
- Addresses
- Institutional email address
- Phone numbers
- Age
- Level of education
- Major or degree program in which the student is enrolled
- Degrees received for recent graduates
- Educational institution in which the student was most recently enrolled

Requests for information must be submitted to the Enrollment Services Division on letterhead clearly identifying the military station or unit requesting the information. Additional instructions for requesting information can be found at deanza.edu/admissions/solomon.

The Solomon Amendment does not require institutions to collect student information. As a result, colleges are not required to respond if they do not currently collect or have the information requested.

In addition, the law recognizes student and parental rights under FERPA to withhold disclosure of private information. Students, parents or guardians can submit a request for the college to withhold a student's information unless prior written consent is obtained from the student, parent or guardian. Instructions for submitting a request to withhold information can be found at deanza.edu/admissions/solomon.

FERPA Records Officer

The Foothill-De Anza district's Administrative Procedure 5050 identifies the college registrar as the "Records Officer" required by FERPA. Current and former students can review their education records by completing or filing a request in the Admissions and Records Office. Such records will be made immediately available when possible or within 15 days of written request. If the review results in a dispute, the college registrar will initiate an informal proceeding in an attempt to resolve the matter. If the dispute continues, a grievance may be filed with the vice president of Student Services.

Final Exams

Final examinations are to be given in all courses. Students are responsible for taking final examinations at the scheduled time. Exam schedules are published online. Two hours will be scheduled for examinations.

Final examinations for courses shorter in length than one quarter will be given at the last class meeting.

Students who miss a final examination for a legitimate reason should communicate with their instructor at once to arrange for an "I" grade. Final examinations normally will not be given in advance of the scheduled time.

Student activities will not be scheduled during the three days preceding final examinations. However, classes and instruction continue as usual. A portion of the final examination may be scheduled during this period to allow additional time if needed.

Grading Policies

This catalog section includes information about

- Dean's list policy
- Grade changes
- Grade definitions
- Nonevaluative symbols
- Pass/No Pass grading
- Noncredit course grading
- Special grading policies relating to COVID-19

Grades are earned in each course and are recorded on the student's permanent record. Evaluation of student achievement will be made in relation to the attainment of the specific objectives of the course. At the beginning of a course, the instructor will explain these objectives and the basis upon which grades are determined.

Dean's List Policy

Full-time students (those taking 12 or more quarter units) must have a quarterly GPA of 3.3 or higher.

Grade Changes

Title 5 of the California State Administrative Code states, "The determination of the student's grade by the instructor shall be final in the absence of mistake, fraud, bad faith or incompetency." If students believe corrections should be made within the above restriction, they should first talk to their instructors. Corrections must be initiated within two years of completing any course in which a grade is being disputed.

Grade Definitions

The following evaluative symbols are listed with their definitions and corresponding grade points.

Symbol	Definition	Grade Points
A+	Excellent	4.0
A	Excellent	4.0
A-	Excellent	3.7
B+	Good	3.3
B	Good	3.0
B-	Good	2.7
C+	Satisfactory	2.3
C	Satisfactory	2.0
D+	Passing, less than satisfactory	1.3
D	Passing, less than satisfactory	1.0
D-	Passing, less than satisfactory	0.7
F	Failing	0.0

Additional Symbols

FW (Failing, 0.0)
This grade indicates that a student has stopped participating in a course after the last day to officially withdraw, without achieving a final passing grade, and the student has not received college authorization to withdraw under extenuating circumstances.

P (Pass – at least satisfactory; units awarded not counted in GPA)
This grade may be assigned in those courses in which student achievement is evaluated on a Pass/No Pass basis rather than a letter grade (A, B, C, etc.). P/NP courses are designated in the course listings section of the catalog.

NP (No Pass – less than satisfactory, or failing; units not counted in GPA)
This grade may be assigned to students who are not attaining course objectives. This does not affect the student's grade point average at De Anza.

Nonevaluative Symbols

(Not to be used in calculating GPA)

I (Incomplete)
The I symbol indicates incomplete academic work for unforeseeable, emergency and justifiable reasons at the end of the term. At least 75% of the class must have been completed to qualify for Incomplete status.

IP (In Progress)
This symbol denotes that the student is registered for this course, and the grading period is not complete. In Progress work will not appear on a student's transcript until the term has officially begun. It will remain on the transcript until the student has either officially withdrawn (W) or a grade has been assigned.

RD (Report Delayed)
The RD symbol may be assigned by the Office of Admissions and Records only. It is to be used when there is a delay in reporting the grade of a student due to circumstances beyond the control of the student. It is a temporary notation to be replaced by a permanent symbol as soon as possible.

W (Withdrawal)
A W is assigned when a student drops a class after the first two weeks of a regular 12-week term or, if the term is shorter, after 20% of the course duration has passed. A W will be assigned whenever a student drops a class after 20-75% of the term has passed. While a W will not be used in calculating GPA, it will be used as a factor in probation and dismissal procedures. (See the catalog section on Probation.) A W is also used to calculate enrollment limits. In other words, students may not enroll in the same course more than three times, including times when W or substandard grades are received.

EW (Excused Withdrawal)
An EW is assigned when a student is permitted to withdraw from a course due to specific events beyond the student's control, which affect their ability to complete the course. An EW can only be awarded if a student files a petition form providing documentation to prove a "verifiable reason." A list of examples is included on the petition form and on the Admissions and Records website. In the absence of the petition and documentation, a grade will be assigned to the student record. The EW symbol may be assigned at any time after the deadline to drop a course without receiving a W. An EW is not counted in calculations for progress probation or dismissal. It is not counted toward the permitted number of withdrawals or as an enrollment attempt.

MW (Military Withdrawal)
An MW is assigned when a student who is a member of an active or reserve U.S. military service receives orders compelling them to withdraw from a course. Upon verification of such orders, an MW will be assigned at any time after the deadline to drop a course without receiving a W. An MW is not counted in progress probation and dismissal calculations An MW is not counted in calculations for progress probation or dismissal. It is not counted toward the permitted number of withdrawals or as an enrollment attempt. In some cases, at the student's request, the college may issue a refund of enrollment fees for an MW.

Pass/No Pass Grading

De Anza College uses the P/NP grade for courses authorized by the Board of Trustees and state regulations under Title 5. Students may request the P/NP option at any time up to the last day of class by submitting the Pass/No Pass Request Form, which can be found at deanza.edu/admissions/forms.html. (See exceptions described under "COVID-19 Grade Policies" below.)

- Some courses are P/NP only and a letter grade cannot be assigned. Check the course description for information on grade type for the course. Letter grades are not available in these courses.
- Other courses may allow the P/NP option. However, some transfer schools may not accept P/NP as an option. Under state regulations, once the P/NP option has been chosen, it cannot be reversed.
- No more than 30 quarter Pass (P) units can be applied toward De Anza College degrees.

Units earned on a P/NP basis will not be calculated in the GPA. However, a grade of NP (No Pass) may be considered when determining Academic Progress and in probation or dismissal procedures. See the exceptions described under COVID-19 Grade Policies below. See also the catalog section on Probation.

Noncredit Course Grading

Noncredit courses are not recorded on a student's transcript and grades are not calculated in a student's GPA. Students in these courses may receive letter grades or be graded on the basis of Pass/No Pass or satisfactory progress. See course descriptions for more information.

COVID-19 Grade Policies

In consideration of the disruptions caused by COVID-19, the college adopted several temporary policies relating to the calculation of GPAs, Pass/No Pass grading and academic progress and progress probation.

Calculation of GPA

Under a temporary local policy:

- A grade of F earned in winter, spring, summer or fall of 2020 will not be counted in calculating earned units or Grade Point Averages as they relate to a student's academic standing at De Anza.
- Grades of D-plus, D and D-minus earned in winter, spring, summer or fall of 2020 will not be counted in calculating Grade Point Averages as they relate to a student's academic standing at De Anza.

However, other universities – including campuses in the University of California and California State University systems – have continued to count D and F grades received in 2020, under their own policies for calculating GPAs. As a result, De Anza College resumed counting D and F grades for winter 2021 and subsequent quarters.

Pass/No Pass

- A grade of NP (No Pass) will not be considered in determining academic progress or course completion rates for purposes of probation or dismissal, if the NP grade was received for courses taken in the winter or spring quarters of 2022, or in the 2021 or 2020 calendar years.
- There is no deadline to request P/NP retroactively for classes taken in winter or spring of calendar year 2022, or winter, spring, summer and fall of calendar year 2021, or winter, spring, summer or fall of calendar year 2020.
- For classes taken in summer 2022 and all subsequent terms, the deadline to request Pass/No Pass is the last day that the class meets in the current quarter (or summer session).

Academic Progress and Progress Probation

- All withdrawals during fall 2020 or winter, spring, summer or fall of 2021 are treated as excused withdrawals, which do not count in determining academic progress or course completion rates for probation or dismissal.
- A grade of NP (No Pass) will not be considered in determining academic progress or course completion rates for purposes of probation or dismissal, if the NP grade was received for courses taken in the winter or spring quarters of 2022, or in the 2021 or 2020 calendar years.

Graduation: Application and Honors

Degrees are awarded at the end of each term. Students must complete and submit an application for graduation to the Admissions and Records office before receiving a degree or certificate.

Students should regularly perform a degree audit through Degree Works to monitor their own progress in reaching educational goals and meeting graduation requirements.

Students should conduct a detailed review of their completed coursework, In the quarter preceding the quarter when they plan to graduate. (For example, do this in winter quarter if you are planning to graduate in the spring.) Compare the results against the requirements for a desired degree or transfer. This will allow time to make any necessary schedule changes or add any needed classes. A counselor or academic adviser can assist with this review.

Students who have achieved a cumulative De Anza College GPA between 3.30 and 4.0 will be awarded associate degree honors at graduation, as follows:

- 4.00: Highest Honors – Summa Cum Laude
- 3.50-3.99: High Honors – Magna Cum Laude
- 3.30-3.49: Honors – Cum Laude

Health: Rights and Responsibilities

De Anza students have the right to a healthy, safe and drug-free environment. They also have personal responsibilities with regard to their own health and safety and the health and safety of the college community.

To promote an optimum personal and physical environment for individual development and learning, students will

- Not attend college if they have a contagious condition (such as COVID-19, TB, measles or hepatitis)
- Not attend college if they are under the influence of alcohol or illicit drugs
- Have a physical exam on file if they are an intercollegiate athlete, or in an allied health program
- Notify the Admissions and Records Office if they will be absent for a week or more due to an illness
- Observe sound personal hygiene habits
- Have current TB results on file as required by the allied health programs, the Child Development Center, the International Student Programs and the Nursing program
- Obtain a physician's note and cooperate openly and honestly with college officials about medical problems that may threaten the health or welfare of themselves or others
- Follow safety regulations and use safety equipment and protective devices as required
- Follow all college infectious disease policies

Military Service Credit

Students may request college credit for military service by submitting a copy of their DD-214 form. Nine units of credit will be awarded for students who have at least one year of active duty. The units will include three units of Area E: physical education, four units of Area E: personal development, and two units of elective credit.

Military Transcripts

Credits can be granted as transferable elective credit upon request by contacting a school certifying official. Names and contact information are available on the website at deanza.edu/veterans.

More information: deanza.edu/veterans

Mutual Respect

De Anza College shall take all steps necessary to provide a positive educational and employment environment that encourages equal educational opportunities.

The college will actively seek to educate staff and students on the deleterious effects of expressions of hatred or contempt based on race, color, national or ethnic origin, age, gender, religion, sexual orientation, marital status, or physical or psychological disability; and will promote equality and mutual respect and understanding among all groups and individuals.

De Anza College will not tolerate behavior that infringes on the safety of any student. A student shall not intimidate, harass another student through words or actions. Such behavior includes direct physical contact, such as hitting or shoving; verbal assaults, such as teasing or name-calling; social isolation or manipulation; and cyber-bullying by any means including email, text and social networks or media.

College policies and procedures regarding ADA compliance, mutual respect, nondiscrimination, sexual harassment and Title IX can be found on the college website at deanza.edu/policies.

Information and forms for filing a complaint can be found at deanza.edu/student-complaints or by contacting the dean of Student Development and EOPS at 408.864.8218 or the dean of Counseling and Disability Support Programs and Services at 408.564.8945.

Names: True or Preferred

Students can indicate the true or preferred first name as they would like it to appear on unofficial documents, such as class lists, grade reports and unofficial transcripts. To do this, students should submit the True/Preferred Name Form available in MyPortal or at deanza.edu/admissions/forms.html.

Students can also notify the college if they have legally changed their name as it appears on government and legal documents. This will enable the college to change the name that appears on official transcripts, 1098-T tax forms and other official documents. To do this, students should submit the Record Change Form available in MyPortal or at deanza.edu/admissions/forms.html.

The forms described here are intended for student use. Information about procedures for employees is available from the Foothill-De Anza district Human Resources office.

Nondiscrimination

(See below for translations in Spanish, Traditional Chinese and Vietnamese)

De Anza College and the Foothill-De Anza Community College District are committed to equal opportunity in educational programs, employment and all access to institutional programs and activities.

The college, the district and their representatives shall provide access to services, classes and programs without regard to national origin, immigration status, religion, age, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or because someone is perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.

No district funds shall ever be used for membership in, or for any participation involving financial payment or contribution to, any private organization whose membership practices are discriminatory on the basis of any of the factors listed above.

All courses, including noncredit classes, shall be conducted without regard to the gender of the student enrolled in the classes. The college will not prohibit any student from enrolling in any class or course on the basis of gender. Academic staff, including but not limited to counselors, instructors and administrators shall not offer program guidance to students which differs on the basis of gender. The term "gender" means sex and includes a person's gender identity and gender expression. "Gender expression" means a person's gender-related appearance and behavior, whether or not stereotypically associated with the person's assigned sex at birth.

Insofar as practicable, the college and district shall offer opportunities for participation in athletics equally to male and female students.

Anyone seeking information concerning nondiscrimination laws or policies, or wishing to fi le a complaint alleging discrimination should contact the dean of Student Development and EOPS at 408.864.8218 or the dean of Counseling and Disability Support Programs and Services at 408.564.8945. Anyone seeking information or filing a complaint concerning the Americans with Disabilities Act of 1990 should contact the dean of Student Development and EOPS at 408.864.8218, or the dean's designee.

All complaints will be reviewed in terms of Title VI and Title IX law, and the people involved will be advised of the provisions of the law and their legal rights. If normal channels are not available or fail to meet legal requirements, the necessary action will be initiated. The college will maintain a record of all Title VI and Title IX complaints and their progress toward resolution.

Students wishing to pursue a civil rights complaint beyond the college may contact the U.S. Department of Education Office of Civil Rights.

NO DISCRIMINACIÓN

El Instituto Terciario De Anza y el Distrito de Institutos Terciarios Foothill-De Anza están comprometidos con la igualdad de oportunidades en sus programas educativos, y también en relación con los empleos y con todo el acceso a programas y actividades institucionales.

El instituto terciario, el distrito y sus representantes deberán proporcionar acceso a los servicios, clases y programas independientemente del origen nacional, estado migratorio, religión, edad, género, identidad de género, expresión de género, raza o etnia, color de la piel, condición médica, información genética, ascendencia, orientación sexual, estado civil, discapacidad física o mental, embarazo, estado militar y de veterano, e independientemente de la percepción de que alguien tiene una o más de características enumeradas, así como de su asociación con una persona o grupo que reúna una o más de estas características, bien sean reales o percibidas.

En ningún caso se utilizarán fondos del distrito para financiar la membresía o cualquier participación que conlleve un pago o contribución financiera a favor de una organización

privada cuyas prácticas de membresía sean discriminatorias en cuanto a cualquiera de los factores enumerados.

Todos los cursos, incluidas las clases sin crédito, se realizarán sin ninguna referencia al género de los estudiantes matriculados en las clases. El instituto terciario no prohibirá a ningún estudiante matricularse en ninguna clase o curso por razones relacionadas con su género. El personal académico, lo que incluye, entre otros, a los consejeros, instructores y administradores, no ofrecerá orientación distinta a diferentes estudiantes en función de su género. El término "género" significa el sexo de una persona e incluye su identidad y expresión de género. El término "expresión de género" hace referencia a la apariencia y al comportamiento relacionados con el género de una persona, sin importar si, estereotípicamente, están o no asociados con el sexo asignado a la persona al nacer.

En la medida de lo posible, el instituto terciario y el distrito ofrecerán igualdad de oportunidades de participación en actividades de atletismo para hombres y mujeres.

Cualquier persona que desee obtener más información sobre las leyes o políticas de no discriminación, o que desee presentar una queja alegando discriminación, puede ponerse en contacto con el decano de Desarrollo de Estudiantes y EOPS llamando al 408.864.8218 o con el decano de Programas y Servicios de Consejería y Apoyo para Personas Discapacitadas llamando al 408.564.8945. Cualquier persona que desee obtener más información o presentar una queja relacionada con la Ley de Estadounidenses con Discapacidades (Americans with Disabilities Act) de 1990 debe comunicarse con el decano de Desarrollo de Estudiantes y EOPS llamando al 408.864.8218, o con la persona designada por el decano.

Todas las quejas serán evaluadas según la ley de Título VI y Título IX, y se informará a las personas involucradas sobre las disposiciones de la ley y sobre sus derechos legales. Si los canales normales no están disponibles o si no cumplen con los requisitos legales, se tomará la acción necesaria. El instituto terciario mantendrá un registro de todas las quejas relacionadas con la ley de Título VI y Título IX y del progreso de estas quejas hasta el momento de resolución.

Los estudiantes que deseen presentar una queja relacionada con los derechos civiles fuera del instituto terciario pueden comunicarse con la Oficina de Derechos Civiles del Departamento de Educación de Estados Unidos (U.S. Department of Education Office of Civil Rights).

非歧視原則

De Anza學院和Foothill-De Anza社區學院學區致力於為所有人在教育項目、人員僱用以及所有機構項目和活動的參與方面提供平等機會。

學院、學區及其代表在為所有人提供服務、課程和項目時應一視同仁，不得考慮其國籍、移民身份、宗教、年齡、性別、性別認同、性別表達、種族或民族、膚色、醫療狀況、遺傳信息、血統、性取向、婚姻狀況、身體或精神殘疾、孕婦或軍人和退伍軍人身份，不因為某人被認為具有上述一項或多項實際或感知特徵，或與具有一項或多項以上特徵的個人或團體具有某種聯繫而對其區別對待。

任何私人組織如在確定成員資格時存在基於上述任何因素的歧視性行為，則學區不得將基金用於捐助或參與此類私人組織的任何涉及財務支付的活動。

所有課程，包括非學分課程的教授均不應限制報名學生的性別。學院不會以性別為由禁止任何學生報名參加任何班級或課程。教職人員，包括但不限於輔導員、講師和管理人員，在提供課程指導時不得因性別而對學生差異對待。這裡的"性別"一詞，包括一個人的性別認同和性別表達。

"性別表達"是指一個人與性別相關的外表和行為，無論是否符合與生理性別相關的傳統刻板印象。

在實際可行的情況下，學院和學區應為男女學生平等地提供參加體育活動的機會。

任何人如需諮詢與非歧視法律或政策相關的資訊，或想要指控歧視行為，請致電408.864.8218與學生發展部和EOPS主任聯繫，或致電408.564.8945與諮詢和殘疾支持計畫和服務部主任聯繫。任何人如需諮詢與《1990年美國殘疾人法案》相關的資訊，或想要提出控告，請致電408.864.8218與學生發展部和EOPS主任或其指定人員聯繫。

所有控告均將根據法律的第6章和第9章進行審查，有關人員將被告知相關法律規定及其合法權利。如正常控告管道受阻或不符合法律要求，學校將採取必要措施。有關第6章和第9章的所有控告及其進展和結果，均會記錄在案。

希望越過學院進行民權申訴的學生可以聯繫美國教育部民權辦公室。

CHÍNH SÁCH KHÔNG PHÂN BIỆT ĐỐI XỬ

Đại Học De Anza và Khu Học Chánh Cao đẳng Cộng đồng Foothill-De Anza cam kết tạo cơ hội bình đẳng trong các chương trình giáo dục, việc làm và mọi quyền tiếp cận với các chương trình và hoạt động của tổ chức.

Trường cao đẳng, khu học chánh và đại diện của mình sẽ cung cấp quyền tiếp cận đến các dịch vụ, lớp học và chương trình mà không phân biệt nguồn gốc quốc gia, tình trạng nhập cư, tôn giáo, tuổi tác, giới tính, xác định giới tính, biểu hiện giới tính, chủng tộc hoặc dân tộc, màu da, tình trạng y tế, thông tin di truyền, tổ tiên, khuynh hướng tình dục, tình trạng hôn nhân, khuyết tật về thể chất hoặc tinh thần, tình trạng mang thai hoặc tình trạng quân nhân và cựu chiến binh, hoặc bởi vì ai đó được coi là có một hoặc nhiều đặc điểm nêu trên, hay dựa trên mối liên hệ với một người hoặc nhóm có một hoặc nhiều những đặc điểm thực tế hoặc được nhận thức này.

Sẽ không có quỹ khu học chánh nào được sử dụng cho tư cách thành viên hoặc cho bất kỳ sự tham gia nào liên quan đến việc thanh toán hoặc đóng góp tài chính cho bất kỳ tổ chức tư nhân nào có các hoạt động thành viên mang tính phân biệt đối xử dựa trên bất kỳ yếu tố nào được liệt kê ở trên.

Tất cả các khóa học, bao gồm cả các lớp học không có tín chỉ, sẽ được thực hiện mà không phân biệt giới tính của sinh viên đăng ký trong các lớp học. Trường sẽ không cấm bất kỳ sinh viên nào đăng ký vào bất kỳ lớp học hoặc khóa học nào dựa trên cơ sở giới tính. Nhân viên học vụ, bao gồm nhưng không giới hạn ở các cố vấn, người hướng dẫn và quản trị viên sẽ không cung cấp hướng dẫn chương trình cho sinh viên khác nhau dựa trên cơ sở giới tính. Thuật ngữ "giới tính" có nghĩa là giới tính trong đó bao gồm sự xác định giới tính và biểu hiện giới tính của một người. "Biểu hiện giới tính" có nghĩa là ngoại hình và hành vi liên quan đến giới tính của một người, cho dù có kết hợp theo khuôn mẫu với giới tính được chỉ định khi sinh ra của người đó hay không.

Trong chừng mực có thể, trường cao đẳng và khu học chánh sẽ tạo cơ hội tham gia các môn thể thao một cách bình đẳng cho sinh viên nam và nữ.

Bất kỳ ai muốn tìm kiếm thông tin liên quan đến luật hoặc chính sách không phân biệt đối xử, hoặc muốn gửi đơn khiếu nại cáo buộc phân biệt đối xử, xin hãy liên lạc với Chủ Nhiệm Khoa Phát triển Sinh viên và EOPS (Student Development and EOPS) theo số 408.864.8218 hoặc Chủ Nhiệm Khoa các Chương trình và Dịch vụ Hỗ trợ Tư vấn và Khuyết tật (Counseling and Disability Support Programs and Services) theo số 408.564.8945. Bất kỳ ai tìm kiếm thông tin hoặc gửi đơn khiếu nại liên quan đến Đạo luật Người Mỹ Khuyết tật năm 1990 thì nên liên lạc với Chủ Nhiệm Khoa Phát triển Sinh viên và EOPS theo số 408.864.8218, hoặc người được ủy thác của Chủ Nhiệm Khoa.

Mọi khiếu nại sẽ được xem xét theo Chiếu khoản VI và Chiếu khoản IX của luật, và những người liên quan sẽ được thông báo về các quy định của pháp luật và các quyền hợp pháp của họ. Nếu các kênh thông thường không khả dụng hoặc không đáp ứng các yêu cầu pháp lý, thì biện pháp cần thiết sẽ được áp dụng. Trường sẽ lưu giữ hồ sơ về tất cả các khiếu nại dựa trên khoản VI và khoản IX và những tiến triển trong phương cách giải quyết.

Các sinh viên muốn theo đuổi khiếu nại về nhân quyền trên cấp trường Đại Học thì có thể liên lạc với Văn phòng Quyền dân sự của Bộ Giáo dục Hoa Kỳ (U.S. Department of Education Office of Civil Rights).

College policies and procedures regarding ADA compliance, mutual respect, nondiscrimination, sexual harassment and Title IX can be found on the college website at deanza.edu/policies.

Information and forms for filing a complaint can be found at deanza.edu/student-complaints or by contacting the dean of Student Development and EOPS at 408.864.8218 or the dean of Counseling and Disability Support Programs and Services at 408.564.8945.

Off-Campus Activities

Certain educational programs require off-campus attendance for scheduled field trips and excursions. Unless the course syllabus or the instructor state otherwise, students are responsible for arranging their own transportation.

Under state regulations (Title 5, § 55220(h)), each student making a field trip or excursion shall be deemed to have waived all claims against the district for injury, accident, illness or death occurring during, or by reason of, the field trip or excursion by completing the required Student Field Trip/Excursion Agreement Voluntary Assumption of Risk Form.

Open Classes

It is the policy of the Foothill-De Anza Community College District that every course – unless specifically exempted by statute – will be open to any student who has been admitted to the college and meets the class prerequisites. This policy applies to courses which must report the class average daily attendance for state aid purposes. See Title 5 of the California Code of Regulations.

Parking and Driving on Campus

All parking requires a paid fee or permit. This requirement has been waived for the fall 2022 quarter. Check the website at deanza.edu/parking for updated information about fees in 2023.

Visitors, students and staff are required to observe all campus parking and traffic regulations enforced year-round by the Foothill-De Anza district police. Failure to comply may subject violators to municipal citations.

Staff parking areas are identified by signs and yellow striping for stalls. Student parking areas are identified by white striping for stalls. Disabled parking areas are marked with signs and blue striped stalls.

Quarterly and annual parking decals can be purchased online through MyPortal. One-day permits can be purchased from machines in the parking lots. Daily parking permits cost $3. Permit machines take credit cards and cash; no change is provided. For more information, see deanza.edu/parking/permits.

The maximum speed limit is 25 miles per hour on perimeter roads and 10 miles per hour within parking lots. No person shall operate a bicycle, moped or skateboard upon any pedestrian walkway, ramp or patio located within the college campus.

Photos and Video Recording

During public events on campus, the college may take photographs or video recordings that may appear in informational or promotional materials, including the college website, social media, printed collateral and advertising. If you prefer not to have your image recorded or used, please notify the photographer or videographer.

Probation and Dismissal

This section includes information about academic and progress probation and dismissal. See also the information about special policies related to COVID-19 in the catalog section on Grading Policies.

Academic Probation

Students are placed on academic probation if they have attempted at least 18 quarter units and earned a cumulative GPA of less than 2.0.

Students will remain on academic probation each quarter (excluding summer) as long as their cumulative GPA is below 2.0. Students will advance to the next level of academic probation in each consecutive enrolled quarter in which they do not earn a cumulative GPA of 2.0.

Progress Probation

Students are placed on progress probation if they have enrolled in at least 18 quarter units, as shown by the official academic record, and received entries of F, W, I, NP or NC for 50% or more of those units.

Eligibility for Aid or Benefits

Having a cumulative GPA below 2.0 for two or more quarters, or a cumulative completion rate below 51% for two or more quarters, can affect eligibility for certain types of financial aid or veteran's benefits. Learn more at deanza.edu/financialaid/types/waivers.

Dismissal

A student on academic probation is subject to dismissal if the student's cumulative GPA falls below 2.0 for all units attempted in each of five consecutive quarters.

A student on progress probation is subject to dismissal if the student receives an F, W, I, NP or NC for 50% or more of the units enrolled in at least five consecutive quarters.

Academic Reinstatement (Readmission After Dismissal)

The Board of Trustees for the Foothill-De Anza district has established procedures under state law for students to petition for reinstatement to De Anza College. Students must submit a new application for admission and meet with a counselor to review their academic goals and other matters relevant to a successful educational experience.

If a counselor recommends approval, the petition must be submitted to the Appeal Review Committee. Students who petition for reinstatement must describe their educational goals, the courses they wish to take in a specific quarter and the factors that have changed which now cause them to expect success. Learn more about the Appeal Review Committee at deanza.edu/admissions/arc.

Attending De Anza and Foothill College

The De Anza College probation and dismissal system might not accurately reflect the correct academic probation status for students who have enrolled at both Foothill College and De Anza. Students who are enrolled within the current quarter at both colleges or have an academic history with both colleges, should contact a counselor at De Anza for assistance regarding their probation or dismissal status at De Anza.

Students who take classes at both De Anza and Foothill are responsible for keeping track of their grades to ensure that they remain in good standing at each college. A student may be in good standing at Foothill College, and still be subject to probation or dismissal at De Anza if they fall below the required academic performance.

More information:

- deanza.edu/policies/probation
- deanza.edu/policies/grades
- deanza.edu/counseling/retention/probation

Regulation Revisions

Any regulations adopted by the faculty and administration of the college shall have the same force as a printed regulation in the catalog and shall supersede, upon public announcement, by posting on official bulletin boards and by announcement, any ruling on the same subject that may appear in the catalog or other official bulletins of the college.

Service Areas

The Foothill-De Anza Community College District operates two colleges: De Anza in Cupertino and Foothill in Los Altos Hills.

De Anza College serves the Fremont Union High School District, which includes Cupertino, Monte Vista and parts of Los Altos, San Jose, Santa Clara, Saratoga and Sunnyvale.

Foothill College primarily serves the communities of Los Altos, Los Altos Hills, Mountain View and Palo Alto. These cities are in the Palo Alto Unified School District and the Mountain View-Los Altos Union High School District.

Sexual Assault Including Rape

De Anza College will not tolerate any form of sexual assault, including rape, on college property or at any college-sponsored event. These situations may or may not be deemed criminal offenses and therefore may have to be handled both internally through college administrative action and externally by the appropriate law enforcement agency.

Within the college, allegations of sexual assault or rape will be fully investigated by the college administration. Disciplinary sanctions may include suspension or expulsion for students or suspension or termination for employees.

The standards of conduct for students and the applicable sanctions for violating those standards are outlined in the policies and procedures of the Foothill-De Anza Community College District, including

- Administrative Procedure 5510: Student Code of Conduct
- Administrative Procedure 5520: Student Due Process and Discipline
- Administrative Procedure 5500: Student Rights and Responsibilities
- Board Policy 4630: Sexual Assault Policy

Visit deanza.edu/titleix for the most current college rules and policies.

Decisions regarding discipline of employees will be made in accordance with applicable legal and contractual provisions and procedures.

If an individual contacts the offices of Psychological Services or Health Services about being raped or sexually assaulted, the information will be treated as confidential and will not be shared with others, except in cases involving minors. If the individual decides to report the incident to a law enforcement agency, the Title IX coordinator or any college employee outside the offices of Psychological Services or Health Services, the information may be shared with other employees in order to provide support and assistance, but the college will make every effort to handle the information in the most private manner possible.

College policies and procedures regarding ADA compliance, mutual respect, nondiscrimination, sexual harassment and Title IX can be found on the college website at deanza.edu/policies.

Information and forms for filing a complaint can be found at deanza.edu/student-complaints or by contacting the dean of Student Development and EOPS at 408.864.8218 or the dean of Counseling and Disability Support Programs and Services at 408.564.8945.

Sexual Harassment

Members of a college community – students, faculty, staff and visitors – must be able to study and work in an atmosphere of mutual respect and trust. It is the policy of the Foothill-De Anza Community College District to prohibit unlawful harassment, including unwelcome sexual advances or conduct, requests for sexual favors, or other conduct of a sexual nature when submission to the conduct is made a condition of employment, academic status or progress. Federal regulations under Title IX prohibit unwelcome sexual conduct that is severe, pervasive and objectively offensive.

Immediate action shall be taken against anyone determined to be in violation of the district policy. There is no time limit on reporting a complaint to the Title IX coordinator. However, if the responding party is no longer attending De Anza College, or a significant amount of time has passed since the alleged incident occurred, then the college's jurisdiction and the ability to investigate, respond and provide remedies may be limited. At that point, it is up to the discretion of the Title IX coordinator to pursue the complaint.

Visit deanza.edu/titleix for the most current college rules and policies.

To file a complaint, students should use the online form at deanza.edu/titleix. Questions or concerns can be directed to the Title IX coordinator at 408.864.8945 or the dean of Student Development at 408.864.8218.

College policies and procedures regarding ADA compliance, mutual respect, nondiscrimination, sexual harassment and Title IX can be found on the college website at deanza.edu/policies.

Information and forms for filing a complaint can be found at deanza.edu/student-complaints or by contacting the dean of Student Development and EOPS at 408.864.8218 or the dean of Counseling and Disability Support Programs and Services at 408.564.8945.

Smoking Prohibition

The goal of the Foothill-De Anza district is to provide a safe learning and working environment for students and employees. Smoking is prohibited in all indoor and outdoor campus locations, with the exception of designated parking lots. This includes e-cigarettes.

In addition, the district does not allow use of marijuana or cannabis products on campus. These are prohibited under federal law.

Smoking is prohibited in district vehicles. “No Smoking” signs shall be conspicuously posted at building entrances and in employee lounges, rest rooms, locker rooms, dressing areas, cafeterias, lunchrooms, and stadium and sports facilities. In addition, designated parking lot areas for smoking areas will be clearly marked. Those rules are based on California Government Code Section 7596 and district Board Policy 3217. Noncompliance will result in fines.

Student Conduct and Due Process

De Anza College students are afforded the rights and privileges outlined in the college's Student Rights and Responsibilities Policy (Foothill-De Anza district Board Policy 5500 and Administrative Procedure 5500).

At the same time, students must assume responsibility for their personal conduct and meet the obligations in the college's Student Code of Conduct (Administrative Procedure 5510) and Due Process and Discipline Procedures (Administrative Procedure 5520).

Students can find more information in the Student Rights and Responsibilities Policy, which can be obtained from the Office of College Life or the offices of the college President, Vice President of Instruction, Vice President of Student Services or Dean of Student Development.

Student Grievance Procedure

De Anza College strives to treat all students fairly, but as in any complex organization, conflicts and misunderstandings may arise from time to time. Students have certain rights under the rules and regulations of the college, the Foothill-De Anza Community College District and the state of California.

If you feel that your rights have been violated by the college, you have the right to seek a resolution. The district board of trustees established Administrative Procedure 5530: Student Grievances to provide an avenue for relief. De Anza’s student grievance procedures are summarized in the following steps.

Step 1: First try to solve the problem informally with the instructor or staff member. You must confer with the others involved and try to resolve the problem.

Step 2: If you are unable to resolve the issue after Step 1, you must meet with the manager of the other person involved in the dispute – either the division dean for a faculty member or the supervisor for a college administrator or classified professional staff member.

Step 3: If the situation is still unresolved, you must confer with the vice president who oversees the division dean or supervisor, or with the vice president’s designee.

Step 4: If you still aren't satisfied, you may consult with the dean of Student Development or designate, and if they advise that your complaint is appropriate for the grievance process, you may file a formal grievance form.

Step 5: Fill out and submit the online Student Grievance Form, which you can access at deanza.edu/student-complaints. You can ask any faculty or staff member to assist you with completing the form.

- You will need to list the specific rule or law that you feel was violated, as well as the details of the situation and copies of any pertinent documents.
- You must file no more than 30 days after learning of the event or the latest of a series of events that form the basis of the grievance.
- In addition, you must file within a year after the alleged violation occurred, regardless of when you learned of it.
- You may only file a grievance if you are a current student or if you were a student no more than 30 days before filing.

Step 6: After you submit the online Grievance Form, you will receive an immediate acknowledgement of your submission at the email address you provided on the form.

Step 7: The Grievance Review Board will review your grievance and decide if it meets the standards for filing and for further consideration. The Office of Student Development will contact you if the board agrees to schedule a hearing.

Step 8: The nature of the hearing will vary according to the circumstances and the discretion of the grievance officer. You and the others involved can be accompanied by, or represented by, any other individual who is not an attorney. You may purchase a copy of the official record of the hearing.

Step 9: The Grievance Review Board will try to decide – within 14 days after the hearing – the outcome of your grievance and whether you are entitled to any relief. The board will forward its recommendation to the dean of Student Development, who will forward it to the college president.

Step 10: The president or the president’s designee will have the final decision regarding the outcome of your grievance. If any violation is determined to be the result of a district rule, or some other factor outside the college’s control, the president or the president’s designee will recommend appropriate action to the district chancellor or trustees. The president’s office will notify you in writing of the outcome.

More information:

- deanza.edu/policies/grievances
- deanza.edu/student-complaints

Student Right-To-Know and Campus Security Act

The following information on completion and transfer rates is provided under the federal Student Right-To-Know and Campus Security Act.

Fall 2018 Cohort

- Completion rate: 69.2%
- Transfer rate: 4.24%

These rates are based on tracking a cohort of all certificate-, degree- and transfer seeking first-time, full-time students over a three-year period beginning in fall 2018. The rates do not represent the success rates of the entire student population at the college, nor do they account for student outcomes occurring after this three-year tracking period.

For this cohort, the completion rate indicates those students who attained a certificate or degree or became “transfer prepared” during a three-year period from fall 2018 to spring 2021. Students who have completed 90 transferable units with a GPA of 2.0 or better are considered “transfer prepared.” The transfer rate indicates those students who transferred to another postsecondary

institution, prior to attaining a degree or certificate or becoming "transfer prepared," during a seven-quarter period from spring 2019 to spring 2021.

Also in accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, De Anza College provides a crime statistics report. Current information is available at deanza.edu/police/clerystatistics

Substandard Work: Alleviation for GPA

When a student receives a substandard grade (D+, D, D-, F, NC or NP) at De Anza, they may petition to have that grade excluded from their GPA after subsequently completing an equivalent course at another regionally accredited college or university.

If approved, the student's academic transcript will be annotated to reflect exclusion of the previously recorded course with its substandard grade for GPA calculation purposes and for all considerations associated with awarding certificates and degrees.

Alleviating a substandard grade with a subsequent Pass/No Pass grade is not permitted, as it does not improve the student's GPA. All grades remain on the academic transcript, and some transfer institutions may require recalculation of the GPA to include both the substandard grade and the subsequent grade.

For more information and instructions for submitting a Petition to Replace a Substandard Grade, contact the Admissions and Records Office.

More information: deanza.edu/admissions

Textbooks: Affordability and Options

De Anza recognizes that the cost of textbooks and other materials can have a direct impact on students' ability to achieve their educational goals. Instructors are working to provide more free and low-cost options for textbooks and other required materials. Students can learn more about these options by visiting deanza.edu/save-on-books.

While the college makes every reasonable effort to determine that the information listed in the online schedule is accurate, textbook editions and ISBNs are subject to change without notice by either the instructor or publisher. The De Anza College Bookstore is not responsible for subsequent textbook changes if the student purchases them from another source. Students should review the class listings at deanza.edu/schedule.

Title IX

De Anza is committed to creating and sustaining a safe educational and working environment free of

- Sex discrimination
- Sexual harassment
- Sexual violence
- Intimate partner violence
- Dating and acquaintance violence and stalking

Title IX of the federal Education Amendments of 1972 prohibits sex (gender-based) discrimination and harassment in educational programs and activities at institutions that receive federal financial funding, including for employment, academic, educational, extracurricular and athletic activities.

This federal law

- Protects all people regardless of their gender or gender identity from sex discrimination, including sexual harassment and sexual violence, which are forms of discrimination
- Requires institutions to take necessary steps to prevent sexual assault on their campuses, and to respond promptly and effectively when an assault is reported

Visit deanza.edu/titleix for complete information, resources and contacts, including

- Health Services
- Psychological Services
- Campus police

To file a complaint, use the online form at deanza.edu/titleix. For questions about filing, contact the Title IX coordinator at dactitleix@deanza.edu or 408.864.8945.

College policies and procedures regarding ADA compliance, mutual respect, nondiscrimination, sexual harassment and Title IX can be found on the college website at deanza.edu/policies.

Information and forms for filing a complaint can be found at deanza.edu/student-complaints or by contacting the dean of Student Development and EOPS at 408.864.8218 or the dean of Counseling and Disability Support Programs and Services at 408.564.8945.

Transcripts

Students can order transcripts in writing from the Admissions and Records Office, or by ordering through MyPortal or the website of De Anza's authorized transcript provider. Transcripts will be sent electronically or mailed in hard copy, depending on the arrangement with the receiving institution.

Students are entitled to two free electronic transcripts, which can be ordered online through the college's authorized transcript provider. All other orders will be subject to published fees.

More information: deanza.edu/admissions/order-transcripts.

The information above applies to transcripts for courses taken for academic credit. Transcripts for noncredit courses are available through the Admissions and Records Office.

More information: deanza.edu/admissions

Transfer Credit From Other Colleges

Students transferring from another regionally accredited institution may request to use credit from that school to meet De Anza requirements. Official transcripts should be sent directly from the transfer institution to the Admissions and Records Office. Students may also deliver a sealed, official transcript to the Admissions and Records Office, along with a request for transcript evaluation. Only lower-division (freshman- and sophomore-level) transfer credit can be evaluated.

Upon review, eligible transfer credit will be applied to the student's De Anza record. Transfer review is not immediate and varies depending on the volume of official transcripts received.

Students who want prior coursework used as a prerequisite for a De Anza course must submit a prerequisite clearance form, along with an unofficial copy of their transcript, to the Admissions and Records Office for review. This transcript will not be evaluated for other transfer credit, but for prerequisite clearance only. Prerequisite clearance forms are available at deanza.edu/admissions/evaluations/prerequisites.

Units of Academic Credit

A unit is the standard measurement of college and university work. One unit equals one hour of classroom work in most classes, predominantly those in lecture or lecture-discussion formats.

Students should expect to spend two hours of outside preparation for each one hour spent in class. Laboratory classes have three hours of work per week per unit. (Specialized performance classes such as athletics, drama and music require more than three hours per week per unit.)

Quarter units are equal to two-thirds of a semester unit. Conversely, a semester unit is equal to one and a half quarter units.

Unit Load Limitations

Twelve units is the minimum number of units required for classification as a full-time student. A normal class load will be 12-17 units.

New students may not exceed a maximum of 21.5 units during their first quarter of enrollment at De Anza without the approval of the dean of Counseling.

Continuing students may enroll in more than 21.5 units (including physical education and labs) if they have met the following conditions:

- Completed a minimum of 18 units in the preceding quarter at De Anza
- Have not withdrawn from more than one class in the preceding quarter, and
- Completed the preceding quarter with at least a 3.0 GPA

Students meeting the above criteria who wish to enroll in more than 21.5 units must petition through their counselor. Petitions will not be considered before the first day of classes. Students who do not meet the criteria may petition the dean of Counseling for an exception to this policy.

Summer Sessions

During summer sessions, students may enroll in a maximum of 15 units including physical education classes and labs associated with courses.

- To exceed the 15-unit limit, students must meet with a counselor to complete the special petition form.
- Students must have completed a minimum of 18 units in the preceding quarter, not withdraw from more than one class, and have at least a 3.0 GPA to be eligible for a unit overload

Unsatisfactory Work

When a student persistently neglects class assignments or has excessive absences, the instructor may drop the student from the class or assign a non-passing grade. Students may also be assigned a non-passing grade for violating De Anza's published Academic Integrity policies.

Transfer Guide

Students who plan to transfer to a four-year college or university to earn a bachelor's degree can complete their freshman-and sophomore-level coursework at De Anza.

Each baccalaureate institution has a pattern of lower-division general education or breadth requirements and specific major requirements that should be fulfilled before transferring. De Anza offers numerous lower-division courses. In addition, students may make up any high school grade or subject deficiencies that are required for entrance to universities. Please see a counselor or academic adviser for rules and restrictions.

Students should acquaint themselves with the current catalog of their transfer college or university for information about admissions qualifications and application procedures, as these vary by institution and are subject to change. It is recommended that students work closely with a De Anza counselor or academic adviser to identify appropriate coursework to fulfill lower-division general education and major requirements. With careful planning, students who intend to transfer may also complete the graduation requirements to earn an associate degree from De Anza.

Articulation Agreements

Articulation refers to the process of evaluating courses, or a sequence of courses, to determine whether coursework offered at a "sending" institution (such as De Anza College) will meet specific course requirements at a "receiving" institution (such as CSU, UC or independent universities) for the purposes of fulfilling requirements for admission, general education, lower-division major preparation or elective credit.

De Anza has established articulation agreements with CSU, UC and various independent and out-of-state universities. Courses approved for credit at such institutions are listed on these articulation agreements. Department course-to-course, general education and major preparation agreements for UC and CSU campuses are available online at ASSIST.org. Official agreements with private and out-of-state colleges and universities are listed at deanza.edu/articulation.

Successful completion of articulated De Anza courses assures students that identified courses listed on an articulation agreement will be credited toward bachelor's degree requirements upon transfer to a college or university.

Articulation and Transfer Website

The De Anza Articulation and Transfer Services website provides a variety of information that includes:

- Articulation agreements and transfer credit guides
- General education requirements for transfer
- Advanced Placement (AP) and International Baccalaureate (IB) exam credit for CSU GE and IGETC
- Guaranteed Admission Programs, including
    - University of California Transfer Admission Guarantee (TAG)
    - CCCCO-Historically Black Colleges and Universities (HBCU) Guaranteed Transfer program
    - Transfer Admission Agreements with select private or out-of-state colleges and universities
- Applying for an Associate Degree for Transfer (ADT)
- Important dates, deadlines and updates

Website: deanza.edu/articulation

ASSIST: Statewide Articulation Website

The ASSIST.org website is the official statewide repository for articulation information for California public colleges and universities. It is the primary website to use to identify which specific De Anza courses fulfill general education and major preparation requirements at UC and CSU campuses.

Listings of course equivalencies assist students in selecting appropriate courses to prepare for transfer. Selection criteria for impacted and selective programs or majors, transfer credit limitations and important links to UC and CSU websites are also available at ASSIST.org.

ASSIST is best used in combination with seeing a counselor or academic adviser at De Anza so students can establish an appropriate path towards transfer.

Course Numbering and C-ID Systems

Most De Anza courses are baccalaureate level and transferable to four-year institutions. Generally, courses at De Anza are numbered using the following guidelines:

1-49: Transferable to the University of California – see the information on transfer limitations in the Course Listings section of the catalog

1-99: Transferable to California State University

1-199: De Anza A.A./A.S. degree applicable

200-299: Prerequisite for required courses that lead to the A.A./A.S. degree and non-degree applicable credit courses

300-399: Noncredit career training courses that do not apply to an academic certificate or degree

400-499 Noncredit basic skills courses that do not apply to an academic certificate or degree

See individual course listing in this catalog and class schedule for exceptions to guidelines. You should also check ASSIST.org for a complete listing of CSU- and UC-transferrable courses, their approval dates and transfer credit limitations.

Courses considered "transferable" may not necessarily meet specific requirements at four-year institutions. Students should consult with a counselor or academic adviser to determine transfer credits and to develop an educational plan for transfer.

C-ID: Course Identification Numbering System

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number assigned to a course signals that participating California colleges and universities have determined that courses offered by De Anza or another California community college are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course numbers.

The C-ID designation can be used to identify comparable courses at different community colleges. For example, students who complete SOC 1 (C-ID SOCI 110) at De Anza can be assured that the course will be accepted in lieu of a course bearing the C-ID SOCI 110 designation at another community college.

The C-ID numbering system is useful for students attending more than one community college. Because courses may be modified and their C-ID approval status may change, students should always check with a counselor or academic adviser to determine how C-ID designated courses fit into their educational plans for transfer.

To view C-ID approved course, visit c-id.net/courses/search.

Guaranteed Admission

A Transfer Admission Guarantee (TAG) – also referred to as a Transfer Admission Agreement (TAA) – is a commitment that certain colleges and universities provide to De Anza students who fulfill specific admission, GPA and course requirements.

A TAG serves as a contract between a student and a transfer college or university. Students who complete a TAG and meet the contractual requirements are guaranteed admission to the university.

Students may prepare for a TAG by working with a counselor or academic adviser early in their academic career to develop an education plan for transfer. With a TAG in place, students have the benefit of knowing that each course completed has been agreed upon and that any loss of credit will be minimized by the participating transfer institution.

The following institutions participate in a guaranteed admission program with De Anza. However, these agreements are subject to change without notice:

University of California

- UC Davis
- UC Irvine
- UC Merced
- UC Riverside
- UC Santa Barbara
- UC Santa Cruz

Private Colleges and Universities

- Arizona State University
- Santa Clara University
- University of the Pacific

Historically Black Colleges and Universities (HBCUs)

Some HBCUs provide guaranteed transfer to De Anza and California community college students who complete certain academic requirements. For a current list of participating HBCUs, visit californiacommunitycollegehbcutransfer.com.

Students may visit deanza.edu/articulation/guaranteed-admission to view information about TAG eligibility, requirements and deadlines. Students are encouraged to meet with a counselor or academic adviser to learn how to initiate and fulfill a TAG.

Transfer Planning Strategies

Determine Transfer Goals Early

Deciding on a college and a major early helps to focus on planning and meeting specific transfer goals. Students are encouraged to start researching transfer options early in their college career and to consider several colleges and alternative majors in their planning to maximize the chances for successful transfer.

Be Competitive – Be "Transfer Ready"

Complete transferable math and English requirements as early as possible. Do not wait until the last quarter.

Remember to consider any prerequisites and prerequisite advisories associated with each course, and utilize tutoring support services on campus, as needed.

Conduct Research on Prospective Transfer Institutions

A successful transfer requires planning early and understanding what is required to transfer, including:

- Minimum transfer admission requirements
- Lower-division major requirements
- Competitive GPA for the major and campus
- Application process and deadlines

Information regarding transfer is subject to change so it is important to check university websites and other available resources periodically for updates and changes to transfer admission and major requirements.

Develop an Education Plan for Transfer

Consult with a counselor or academic adviser to identify required coursework to include in an education plan for transfer.

Complete General Education (GE) Requirements

To be as competitive as possible, complete all or as many lower-division GE courses as possible prior to transfer. Students pursuing high-unit majors are generally advised to focus on completing major preparation coursework while meeting the minimum admission requirements for transfer.

For students who plan to complete CSU GE or IGETC, remember to request GE certification from De Anza's Admissions and Records Office.

Complete Major Preparation Requirements Prior to Transfer

Due to the increasingly competitive nature of the transfer admissions process, many majors require completion of lower-division major preparation courses prior to transfer. This is especially true for high-unit majors (e.g. science and engineering). Visit ASSIST.org for lower-division major requirements for transfer to the CSU and UC campuses.

Develop Relationships

Developing relationships with instructors, counselors and academic advisers can be especially helpful as applications for admission and scholarships may require letters of recommendation.

Keep Course Syllabi

Students should retain the course syllabi for all completed classes and select course materials (such as writing samples and final exams) in case a transfer institution requests such documentation.

Check and Update Your Email

Most colleges use email as their primary means of communication with students. It is important to make sure that colleges and universities have the most current email address on file. Check your messages often to ensure compliance with any requests, requirements, and deadlines.

Keep on Top of Deadlines!

Transferring to California State University (CSU)

The California State University (CSU) system gives priority admission consideration to California community college students who meet the CSU upper-division transfer admission requirements. California community college students who have earned an associate degree for transfer (also known as ADT, A.S.-T. or A.A.-T.) are given the highest priority consideration.

While at De Anza and before applying to CSU, students are encouraged to research CSU campus catalogs and websites, contact CSU campus admissions offices, meet with campus representatives, and consult with a counselor or academic adviser to determine how CSU's majors fit into their particular career goals and confirm appropriate course selection for admission to CSU. For more information about a specific CSU campus, review the university's general catalog. Comprehensive information about the CSU system and campuses is posted online at www2.calstate.edu/apply/transfer.

The following information was obtained from the 2022-2023 CSU Admissions Handbook and CSU Transfer website. De Anza College is not responsible for any changes CSU may make to this information after publication of this catalog.

Upper-Division Transfer Admission Requirements

To qualify for admission as an upper-division transfer, applicants must complete 90 or more quarter (60 semester) CSU-transferable units and have met the following requirements:

- Complete at least 45 quarter units (30 semester units) of general education (GE) courses with grades of C- or better. Applicants may visit ASSIST.org for a full listing of courses at each California community college that meet CSU GE requirements.
- Complete transferable courses (CSU GE Category A) in written communication, oral communication and critical thinking with grades of C- or better
- Complete one transferable course (CSU GE Area B4) in mathematics or quantitative reasoning with a grade of C- or better
- Earn a cumulative GPA of 2.0 or better in all CSU-transferable college units attempted
- Be in good standing (eligible to re-enroll) at the last college or university attended

Lower-Division Transfer Admission Requirements

An applicant who completes fewer than 90 quarter (60 semester) units of college credit is considered a lower-division transfer student. Due to enrollment pressures, most CSU campuses do not admit lower-division transfers.

Having fewer than 90 quarter (60 semester) units at the point of transfer may affect eligibility for registration priority at CSU campuses and may affect the student's financial aid status.

California resident transfer applicants with less than 90 quarter or 60 semester units must:

- Have a cumulative GPA of 2.0 (C) or better in all CSU-transferable units attempted;
- Have completed, with a grade of C- or better, a course in written communication and a course in mathematics or quantitative reasoning at a level satisfying CSU GE Breadth Areas A2 and B4 requirements, respectively;
- Be in good standing at the last institution attended; and
- Meet one of the following eligibility standards:
    - Transfer Based on Current Admission Criteria – meets the freshman admission requirements in effect for the term for which the application is filed
    - Transfer Based on High School Eligibility – was eligible as a freshman at the time of high school graduation and has been in continuous attendance in an accredited college since high school graduation
    - Transfer Based on Making up Missing Subjects – had a qualifying GPA and has made up any missing college preparatory subject requirements with a grade of C- or better and has been in continuous attendance in an accredited college since high school graduation. One baccalaureate level course of at least 4 quarter units (3 semester units) is usually considered equivalent to one year of high school study.

Some campuses may require lower-division transfer students to complete specific college coursework as part of their admission criteria.

Many CSU campuses have impacted majors, which means the number of applications from qualified applicants is greater than the number of available spaces, while several CSU campuses are impacted in all majors. Students interested in an impacted major or campus must apply for admission during the initial application filing period.

Consideration for admission to any impacted major or campus is contingent on first meeting the regular admission requirements for the CSU. As a result of impaction, completion of the minimum eligibility requirements may not be sufficient for admission. Supplementary admission criteria are used to screen all applicants for admission to impacted majors.

Associate Degrees for Transfer (ADT) To The CSU

The Student Transfer Achievement Reform Act (SB 1440) established the Associate in Arts for Transfer (A.A.-T.) degree and Associate in Science for Transfer (A.S.-T.) degree for California

community college students. The A.A.-T. and A.S.-T. degrees are designed to provide a clear pathway to the CSU degree major.

To learn more about the Associate Degree for Transfer program and transfer pathways at participating CSU campuses or 4-year universities, visit:

- www2.calstate.edu/apply/transfer/Pages/associate-degree-for-transfer-major-and-campus-search.aspx
- www2.calstate.edu/apply/transfer/Pages/ccc-associate-degree-for-transfer.aspx
- icangotocollege.com/associate-degree-for-transfer

For information on meeting the requirements for an AA-T or AS-T degree at De Anza College, students are encouraged to consult with a counselor or academic adviser.

To view the current list of De Anza AA-T and AS-T degrees, visit:

- deanza.edu/academics/degrees-and-certificates
- deanza.edu/articulation/apply-adt

Transferring to Private or Out-of-State Universities

Universities that are private (also known as "independent") or located in other states have transfer admission, general education and major requirements that are unique to each campus.

De Anza has articulation agreements with select independent colleges and universities located in California and out-of-state. This information is available at deanza.edu/articulation/agreements.

For information, resources and tools for transfer to private colleges and universities in California, visit californiacolleges.edu/#/aiccu.

Transfer admission requirements and transfer credit policies for out-of-state colleges and universities are generally listed in college catalogs and on university admission websites. To ensure a smooth transfer process, students are advised to contact the school where they wish to transfer as early in their academic careers as possible.

Transferring to the University of California (UC)

Nearly 30% of University of California (UC) undergraduates are transfer students, with 92% coming from a California community college. The UC campuses at Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, Santa Barbara and Santa Cruz all share the same minimum admission requirements; however, transfer admission requirements vary by campus and by major.

Academic preparation and grade point average are factors reviewed by campuses and programs as part of the selection process. These criteria vary from year to year and by campus based on the number of applicants, their academic qualifications and the number of spaces available. Information about UC transfer requirements is available at admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/.

While at De Anza College and before applying to a UC, students are encouraged to research campus catalogs and websites, contact UC campus admissions offices, meet with campus representatives, and consult with a counselor or academic adviser to determine how UC's majors fit into their particular career goals and confirm appropriate course selection for admission.

The following information was taken from the UC Quick Reference for Counselors guide. De Anza College is not responsible for any changes that UC may make to this information after publication of this catalog.

UC considers a transfer applicant to be a student who has enrolled in a fall, winter or spring term at a college or university after high school graduation. Students who meet this definition cannot disregard their college records and apply as freshmen. UC gives priority consideration to California community college students applying for admission to UC as juniors. A California community college transfer student is defined as one who has completed at least 45 quarter (30 semester) UC-transferable units at one or more California community colleges and whose last college attended in a regular session (fall/spring or fall/winter/spring) before enrolling at a UC campus is a California community college.

Since admission to a number of campuses and majors is highly competitive, transfer students must often exceed the minimum requirements and complete all or at least a portion of the major preparation requirements to gain admission to a preferred campus and major.

Additionally, transfer students should consider their choice of General Education (GE) pattern. A combination of major preparation and GE courses will help students meet the minimum admission requirements and prepare them for upper-division study after transfer.

When requirements are stated as a full-year sequence, students should complete the entire course series at one institution before transferring, if possible. The topics covered in a particular term of the sequence at a college/university may not be the same as at a UC campus and could result in missing or duplicative coursework.

Admission Requirements for Junior-Level Transfers

The majority of transfer students come to UC at the junior level from California community colleges. The requirements described below represent the minimum academic standards all students must attain to be considered for admission to UC. Meeting the minimum requirements does not guarantee admission to UC. Admission to the campus or program of choice often requires students to meet more demanding standards.

Minimum Requirements

To be considered for admission as a junior transfer, a student must meet the following criteria:

- Complete 90 quarter (60 semester) units of UC-transferable college credit with a GPA of at least 2.4 (2.8 for nonresidents). No more than 21 quarter (14 semester) units of the required 90 units may be taken Pass/Not Pass, unless the student is transferring from a college or university that awards only pass credit. Consult with a De Anza College counselor or academic adviser or UC admissions representative to learn about UC's Temporary Modifications to Transfer Admission Requirements Due to COVID-19. Additional information about UC's COVID-19 response as it relates to undergraduate admission can be found at admission.universityofcalifornia.edu/response-covid-19.
- Be in good academic standing (2.0 GPA or better) at the last institution of attendance and at any previous UC campus where the student was enrolled in a regular term (e.g., fall, winter, spring)
- Complete the following seven-course pattern, earning a grade of C or better in each course:
  - Two transferable college courses (4-5 quarter or 3 semester units each) in English composition
  - One transferable college course (4-5 quarter or 3 semester units each) in mathematical concepts and quantitative reasoning
  - Four transferable college courses (4-5 quarter or 3 semester units each) chosen from at least two of the following subject areas: arts and humanities, social and behavioral sciences, and physical and biological sciences

The above seven courses may be completed with a Pass/Credit/ Satisfactory grade if such designations are equivalent to a letter grade of C (2.0) or better. See ASSIST.org for course options. Additionally, AP exams with scores of 3, 4 or 5 can also be used. Please note: Only one of the two English composition/literature courses required can be met with an exam score.

Transfer Admission Guarantee (TAG)

Six UC campuses – Davis, Irvine, Merced, Riverside, Santa Barbara and Santa Cruz – offer guaranteed admission in particular majors to California community college students who meet specific requirements. By participating in a TAG program, students may, at some campuses, receive early review of their academic records, early admission notification and specific guidance about major preparation and general education coursework. For information visit deanza.edu/articulation/guaranteed-admission/tag-uc.html

Transfer Pathways

UC Transfer Pathways identify a single set of lower-division, pre-major preparation courses for common majors. These pathways will be especially helpful to students who know of a major they would like to study but have not decided which UC campuses they would like to apply to.

UC Transfer Pathways cover the following majors: Anthropology, Biochemistry, Biology, Business Administration, Cell Biology, Chemistry, Communication, Computer Science, Economics, Electrical Engineering, English, History, Mathematics, Mechanical Engineering, Molecular Biology, Philosophy, Physics, Political Science, Psychology and Sociology.

Each pathway outlines the set of courses students should take to be competitive across the UC system. Some campuses may want fewer courses for admission, but none will require more. Campuses may have grade requirements for particular courses, but with this roadmap, students will know which classes to take to prepare for all campuses in a single major. See admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/transfer-pathways.

General Education Requirements

Transfer students have the option of completing the Intersegmental General Education Transfer Curriculum (IGETC) or the specific lower-division (freshman/sophomore level) general education requirements of the UC school or college at the campus they plan to attend.

IGETC is not an admission requirement and completing it does not guarantee admission to the campus or program of choice. However, completing GE requirements, whether through IGETC or the campus-specific requirements, may be considered by the campus in selecting among qualified candidates. Students who intend to transfer into majors that require extensive preparation, such as engineering or the biological, physical and natural sciences, should first concentrate on completing the prerequisites for the major and meeting minimum admission requirements.

Students should check campus admissions websites for information about selection. Additional information about general education requirements is available at ASSIST.org.

All UC campuses recommend that students complete math and English as early as possible. Some highly recommend or require completion by the end of the fall term, one year prior to enrolling at UC.

Lower-Division Transfers

Some UC campuses admit a limited number of transfer students before they reach junior standing. Refer to the open/closed-majors status report at admission.universityofcalifornia.edu/campuses-majors/majors/ to see which campuses will accept freshman and sophomore transfer students for a particular term. Students may also check UC campus websites to learn if they will accept applications from lower-division transfers.

In addition to satisfying UC admission requirements, transfer students must fulfill additional requirements before graduating. Some requirements may be completed at De Anza College prior to transfer.

General Education Requirements

General Education Requirements 2022-2023

Effective Fall 2022 through Summer 2023

De Anza College offers several types of associate degrees: the Associate in Arts (A.A.), the Associate in Science (A.S.), and the Associate Degree for Transfer (ADT or A.A.-T. or A.S.-T.). To qualify for the A.A. or A.S. degree, you must complete a total of 90 quarter units comprising De Anza's General Education, major and, if necessary, degree-applicable elective courses of your choice. To qualify for the ADT you must complete a total of 90 CSU transferable quarter units, including either California State University General Education Breadth (CSU GE Breadth) or Intersegmental General Education Transfer Curriculum (IGETC), major and, if necessary, transferable elective courses. The associate degree is not required for transfer. However, with careful planning, you may qualify for an associate degree while meeting requirements for transfer admission.

If you are planning to transfer to a University of California (UC) campus, you may follow the Intersegmental General Education Transfer Curriculum (IGETC) requirements below. If you are planning to transfer to a California State University (CSU) campus, you may follow the IGETC requirements or the CSU GE/Breadth requirements below.

Transfer students with high-unit majors (such as sciences or engineering) should focus on completing requirements for the major and minimum admissions requirements rather than completing IGETC or CSU GE/Breadth requirements.

Completion of IGETC and CSU GE/Breadth requirements is not required for transfer. Students who plan to transfer may instead choose to complete the specific General Education breadth requirements of the transfer institution of their choice.

See the following websites for more information: assist.org and deanza.edu/articulation

Speak with a counselor or academic adviser about UC professional schools and colleges that do not accept IGETC.

De Anza General Education/Breadth Requirements for A.A./A.S. Degree for 2022-2023 Worksheet

CSU General Education-Breadth Requirements for 2022-2023 Worksheet

Intersegmental General Education Transfer Curriculum (IGETC) for 2022-2023 Worksheet

Degree and Certificate Overview

De Anza College offers a wide variety of two-year transfer and career programs leading to an associate degree. Types of degrees include the Associate in Arts, Associate in Science, Associate in Arts for Transfer and Associate in Science for Transfer.

Certificates of Achievement and Certificates of Achievement-Advanced are awarded upon the satisfactory completion of certain programs that require less than two years of full-time study.

Students can earn degrees or certificates on a full- or part-time basis during the day or evening, or on weekends.

New This Year

The following degrees and certificates are new offerings this year:

Associate in Arts for Transfer

- Studio Arts

Associate in Science for Transfer

- Business Administration 2.0

Certificate of Achievement-Advanced

- Forensic Criminal Investigation Technician
- Paralegal Studies – Corporate Law
- Paralegal Studies – Intellectual Property
- Paralegal Studies – Litigation
- World Languages and Cultures

Certificate of Achievement

- Additive Manufacturing Technology: 3D Design and Production
- French Language and Culture
- German Language and Culture
- Information Technology Technical Support
- Italian Language and Culture
- Korean Language and Culture
- Manual Therapy
- Russian Language and Culture
- Spanish Language and Culture

Certificate of Completion (noncredit)

- Information Technology Technical Support

Certificate of Competency (noncredit)

- American English Pronunciation

Associate Degree Programs and Requirements

Associate Degree Programs

Associate in Arts and Associate in Science

While many students seek an associate degree in preparation for immediate entry into the job market, earning an associate degree also serves as excellent preparation for transfer to a four-year college or university.

By earning an associate degree, students demonstrate to potential employers, transfer institutions and society that they have specialized knowledge in a particular area of study. Completing a degree also signals that students have gained critical and analytical thinking ability, information literacy, written and oral communication skills, and the ability to consider issues with cultural, global, social and environmental awareness.

Students are strongly advised to meet with a counselor early to decide which degree best suits their academic needs and to obtain assistance in planning their course of study.

Associate Degree Requirements

Associate in Arts and Associate in Science

- To receive an associate degree, a minimum of 90 quarter units of college credit in prescribed courses is required.
    - Prescribed courses must be from a curriculum in effect and published in the catalog during the student's first quarter of enrollment or any subsequent quarter as long as continuous enrollment is maintained.
    - A continuously enrolled student is defined as one who attended De Anza or Foothill College for at least one semester or two quarters each academic year. (For the purpose of continuous enrollment, an academic year is defined as fall through summer.) A single W grade in a term qualifies the student as having attended that term.
- A minimum of 24 quarter units must be earned at De Anza College. A maximum of 22 quarter units from another college or university may be applied toward the major.
- Students must demonstrate proficiency in reading, written expression and mathematics.
- General education requirements for the A.A./A.S. must be completed as outlined in this catalog. A minimum of 32-43 quarter units are required from Areas A-E. General education requirements can be selected from one catalog year; and major requirements can be selected from a different catalog year, as long as the rule of continuous enrollment is followed.
- Students must complete all major courses with a C grade or higher.
- Permission to continue in medical assisting and nursing is subject to the approval of the program faculty. A mandatory review of a student's academic standing takes place if grades fall below C in courses or in performance situations.

Associate Degrees for Transfer

Under a state law called the Student Transfer Achievement Reform Act, community college students are guaranteed admission to a California State University (CSU) campus if they earn an "associate degree for transfer," which is a variation of the associate degrees traditionally offered by California community colleges.

The Associate in Arts for Transfer (A.A.-T.) or the Associate in Science for Transfer (A.S.-T.) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (A.A.-T. or A.S.-T.) are guaranteed admission to the CSU system, but not to a particular campus or major.

In order to earn one of these degrees, students must complete a minimum of 60 required semester units (90 quarter units) of CSU-transferable coursework with a minimum GPA of 2.0. While a minimum GPA of 2.0 is required for admission, some majors may require a higher GPA. Students transferring to a CSU campus that does accept the A.A.-T. or A.S.-T. will be required to complete no more than 90 quarter units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major).

This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

Associate in Arts for Transfer

Similar to the A.A. degree, the A.A.-T. degree is awarded to students who complete all of the lower-division major preparation requirements for a related major in academic areas such as the liberal arts, social sciences and related fields other than science, technology, engineering or mathematics for one or more local CSU campuses.

This degree also requires completion of either the CSU General Education/Breadth requirements or the Intersegmental General Education Breadth Requirements (IGETC).

Students who plan to complete this degree and who wish to transfer to a non-local CSU, UC or other college or university are advised to meet with a counselor for assistance in developing their educational plan.

Associate in Science for Transfer

Similar to the A.S. degree, the A.S.-T. degree is awarded to students who complete all of the lower-division major preparation requirements for a related major in the areas of science, technology, engineering or mathematics for one or more local CSU campuses.

This degree also requires completion of either the CSU General Education/Breadth requirements or the Intersegmental General Education Breadth Requirements (IGETC).

Students who plan to complete this degree and who wish to transfer to a non-local CSU, UC or other college or university are advised to meet with a counselor for assistance in developing their educational plan.

More information: deanza.edu/articulation/apply-adt

Career Training Program Advisory Committees

De Anza offers a wide variety of Career Training programs under the formal title of Career Technical Education (CTE) and Workforce Education. Each of these programs is developed and offered with input from a CTE program advisory committee, in accordance with guidelines established by the California Community Colleges Chancellor's Office.

These advisory committees include business and industry leaders along with faculty members, administrators and students. They meet at least once a year to discuss course offerings and determine how to keep programs current with trends in the regional and global economies.

The advisory committees provide input by

- Advising on industry trends and employment needs
- Reviewing current course content
- Evaluating program graduates' performance
- Determining facilities and equipment needs
- Recommending new courses and content
- Initiating new certificate and degree programs

The recommendations of the CTE program advisory committees are implemented on a continuous basis. In addition to the program advisory committees, other college bodies make recommendations and decisions regarding implementation of new CTE certificate and degree programs. These bodies include the De Anza College Curriculum Committee and the Foothill and De Anza Colleges' Joint Academic Senate.

More information: deanza.edu/career-training

Certificate Programs and Requirements

Certificate Programs

Certificate of Achievement and Certificate of Achievement-Advanced programs are designed for students interested in programs of instruction with a high degree of specialization. Programs vary in length and generally require less than two years of full-time study to complete. If the student prefers, they may also be completed on a part-time basis.

Students are encouraged to check with the departments and counselors for help with planning their courses. Successful completion of these certificates requiring a minimum of 18 quarter units is notated on official college transcripts. There is no limit on the number of certificates a student can earn.

Degree and Certificate Listings

Individual department curriculum sheets for certificate and degree programs are available in the Counseling and Advising Center and at deanza.edu/academics/degrees-and-certificates. Division offices often have the information available as well.

Students transferring to another college should complete as many of that college's requirements as possible. Articulation agreements between De Anza and California public four-year institutions are available on the web at ASSIST.org. Students should also contact a counselor or adviser for program planning from the catalog of the desired transfer institution and maintain regular contact prior to transfer.

General Requirements

- Complete the course requirements listed
- Meet the requirements for the corresponding level as specified below

Noncredit Certificates

Noncredit Certificates are awarded by departments and are not notated on academic transcripts. (A separate noncredit transcript is available from the Admissions and Records Office.). Contact the department directly for assistance in applying for a noncredit certificate.

Requirements for noncredit certificates:

- Completion of all major courses with a C grade, passing grade or satisfactory progress
- Each course must be completed at De Anza College

Skills Certificates

Skills Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance in applying for a skills certificate.

Requirements for skills certificates:

- Completion of all major courses with a C grade or higher
- Each course must be completed at De Anza College

Certificate of Achievement

Certificates of Achievement are awarded by the college and notated on official transcripts.

Requirements for certificates of achievement:

- Completion of all major courses with a C grade or higher
- No more than six quarter units may be transferred from other academic institutions

Certificate of Achievement-Advanced

Certificates of Achievement-Advanced are awarded by the college and notated on official transcripts.

Requirements for certificates of achievement-advanced:

- Completion of all major courses with a C grade or higher
- Demonstrated proficiency in English and mathematics as evidenced by eligibility for EWRT 1A, EWRT 1AH, EWRT 1AS with EWRT 1AT, or ESL 5 and eligibility for MATH 114 or a transfer-level math course.
- No more than 18 quarter units may be transferred from other academic institutions.

Associate Degrees (A.A. or A.S.)

Requirements for associate degrees:

- Completion of all General Education (GE) requirements (32-43 quarter units) for the A.A./A.S. degree. GE units must be completed with a minimum 2.0 GPA (C average)
- Completion of all major courses with a C grade or higher. Major courses can also be used to satisfy GE requirements (except for Liberal Arts degrees). Note: A maximum of 22 quarter units from other academic institutions may be applied toward the major
- Completion of at least 90 degree-applicable quarter units (GE and major units included). All De Anza courses must be completed with a minimum 2.0 GPA (C average). All De Anza courses combined with courses transferred from other academic institutions must be completed with a minimum 2.0 GPA (C average).
- At least 24 quarter units must be earned at De Anza College.

Associate Degrees for Transfer (A.A.-T. or A.S.-T.)

Requirements for associate degrees for transfer:

- Completion of all major courses with a C grade or higher. Major courses may be used to satisfy GE requirements.
- Completion of either the California State University General Education-Breadth pattern (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern in full; students transferring to CSU using IGETC must complete Area 1C.
- Completion of a minimum of 90 CSU-transferable quarter units with a minimum overall GPA of 2.0 in all CSU-transferable units.
- While a minimum 2.0 GPA is required for admission to CSU, many majors or campuses require a higher GPA. Please consult with a counselor or academic adviser.
- At least 18 degree-applicable quarter units must be earned at De Anza College.

Certificate of Achievement (COA)
Accounting

Program Description

In this program Business students gain accounting knowledge needed for an entry-level accounting position.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate knowledge of double-entry accounting within financial and cost accounting systems for various business organizations
- Prepare financial statements and report and analyze these statements to evaluate the financial structure of a firm and describe fundamental business concepts, while identifying ethical issues in accounting

Program Requirements

Complete the following core courses

Courses	Units
ACCT 1A Financial Accounting I or ACCT 1AH Financial Accounting I - HONORS	5
ACCT 1B Financial Accounting II or ACCT 1BH Financial Accounting II - HONORS	5
ACCT 1C Managerial Accounting or ACCT 1CH Managerial Accounting - HONORS	5
ACCT 88 Excel Spreadsheets for Accounting	2

Complete a minimum of nine (9) units from the list below

Courses	Units
ACCT 51A Intermediate Accounting	5
ACCT 51B Intermediate Accounting	5
ACCT 52 Advanced Accounting	5
ACCT 58 Auditing	5
ACCT 64 Payroll and Business Tax Accounting	4
ACCT 66 Cost Accounting	5
ACCT 67 Individual Income Taxation	5
ACCT 68 Advanced Tax Accounting	5
ACCT 73 Fraud Detection and Deterrence	5
ACCT 74 Accounting Ethics	5
ACCT 75 Accounting for Government and Nonprofit Entities	5
ACCT 87AH Computerized Accounting Programs I (Peachtree - Windows)	2
ACCT 87AI Computerized Accounting Programs I (Quickbooks)	2
ACCT 87AJ Computerized Accounting Programs I (Microsoft Dynamics GP)	2
ACCT 105 Basic Financial Accounting Procedures	1
BUS 18 Business Law I	5

Total Units Required: 26

Certificate of Achievement-Advanced (COA-A)
Accounting

Program Description

In this program Business students gain the skills needed for a professional job in accounting or related positions such as analyst or staff accountant.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate knowledge of double-entry accounting within financial and cost accounting systems for various business organizations
- Prepare financial statements and reports and analyze these statements to evaluate the financial structure of a firm and describe fundamental business concepts, while identifying ethical issues in accounting
- Identify and assess the theory and reporting differences between International Reporting Standards and U.S. Generally Accepted Accounting Principles
- Evaluate events which require research in the professional literature and formulate an organized, concise approach to a solution

Program Requirements

Complete the following core courses

Courses	Units
ACCT 1A Financial Accounting I or ACCT 1AH Financial Accounting I - HONORS	5

Courses	Units
ACCT 1B Financial Accounting II or ACCT 1BH Financial Accounting II - HONORS	5
ACCT 1C Managerial Accounting or ACCT 1CH Managerial Accounting - HONORS	5
ACCT 88 Excel Spreadsheets for Accounting	2

Complete a minimum of 28 units from the list below

Courses	Units
ACCT 51A Intermediate Accounting	5
ACCT 51B Intermediate Accounting	5
ACCT 52 Advanced Accounting	5
ACCT 58 Auditing	5
ACCT 64 Payroll and Business Tax Accounting	4
ACCT 66 Cost Accounting	5
ACCT 67 Individual Income Taxation	5
ACCT 68 Advanced Tax Accounting	5
ACCT 73 Fraud Detection and Deterrence	5
ACCT 74 Accounting Ethics	5
ACCT 75 Accounting for Government and Nonprofit Entities	5
ACCT 87AH Computerized Accounting Programs I (Peachtree - Windows)	2
ACCT 87AI Computerized Accounting Programs I (Quickbooks)	2
ACCT 87AJ Computerized Accounting Programs I (Microsoft Dynamics GP)	2
ACCT 105 Basic Financial Accounting Procedures	1
BUS 10* Introduction to Business	5
BUS 18* Business Law I	5
REST 50* Real Estate Principles	4

** A maximum of five units from BUS and REST courses will apply.*

Total Units Required: 45

Associate in Arts (A.A.) Degree
Accounting

Program Description

This program prepares Business students for transfer to a four-year institution as Accounting majors. Students gain the skills needed for a professional job in accounting or related field such as analyst or staff accountant.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate knowledge of double-entry accounting within financial and cost accounting systems for various business organizations
- Prepare financial statements and reports and analyze these statements to evaluate the financial structure of a firm and describe fundamental business concepts, while identifying ethical issues in accounting
- Identify and assess the theory and reporting differences between International Reporting Standards and U.S. Generally Accepted Accounting Principles
- Evaluate events which require research in the professional literature and formulate an organized, concise approach to a solution

Program Requirements

Complete the following core courses

Courses	Units
ACCT 1A Financial Accounting I or ACCT 1AH Financial Accounting I - HONORS	5
ACCT 1B Financial Accounting II or ACCT 1BH Financial Accounting II - HONORS	5
ACCT 1C Managerial Accounting or ACCT 1CH Managerial Accounting - HONORS	5
ACCT 88 Excel Spreadsheets for Accounting	2

Complete a minimum of 28 units from the list below

Courses	Units
ACCT 51A Intermediate Accounting	5
ACCT 51B Intermediate Accounting	5
ACCT 52 Advanced Accounting	5
ACCT 58 Auditing	5
ACCT 64 Payroll and Business Tax Accounting	4
ACCT 66 Cost Accounting	5
ACCT 67 Individual Income Taxation	5
ACCT 68 Advanced Tax Accounting	5
ACCT 73 Fraud Detection and Deterrence	5
ACCT 74 Accounting Ethics	5

Courses	Units
ACCT 75 Accounting for Government and Nonprofit Entities	5
ACCT 87AH Computerized Accounting Programs I (Peachtree - Windows)	2
ACCT 87AI Computerized Accounting Programs I (Quickbooks)	2
ACCT 87AJ Computerized Accounting Programs I (Microsoft Dynamics GP)	2
ACCT 105 Basic Financial Accounting Procedures	1
BUS 10* Introduction to Business	5
BUS 18* Business Law I	5
REST 50* Real Estate Principles	4

** A maximum of five units from BUS and REST courses will apply.*

Major Units Required	45
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Certificate of Achievement-Advanced (COA-A)
Community Service Officer

Program Description

The Certificate of Achievement-Advanced in Community Service Officer sequence provides the foundational skills required to successfully gain non-sworn employment in this expanding field within local law enforcement. Community Service Officers (CSOs) assist police officers and perform public safety services to communities. The certificate curriculum provides students with a comprehensive overview of the federal and state criminal justice systems, criminal law, community-police relations, report writing, criminal investigation, victim/witness interviewing techniques, evidence collection and digital photography. CSO positions interact with all segments of society in a wide variety of public safety situations while performing, under general supervision, numerous field and office non-enforcement support assignments.

Program Learning Outcomes

Upon completion, students will be able to

- Identify the responsibilities of each component of the criminal justice system as they relate to laws, investigations, and rules of evidence
- Obtain the knowledge to investigate crimes, traffic accidents, and other public safety hazards
- Develop the skills to complete factual and concise investigations and investigative reports
- Obtain the knowledge and capabilities to establish positive interactions and develop partnerships between law enforcement and the community

Program Requirements

Complete the following core courses

Courses	Units
ADMJ 1 Introduction to Administration of Justice also listed as POLI 10	4
ADMJ 3 Concepts of Criminal Law (CP 2) also listed as PARA 3 and POLI 13	4
ADMJ 5 Community Relations	4
ADMJ 56 Practical Writing for Administration of Justice	4
ADMJ 61 Criminal Investigation	4
ADMJ 74A Interviewing, Interrogation and Crisis Intervention also listed as PARA 74A and PSYC 74A	4

Complete one course (3-4 Units)

Courses	Units
ADMJ 90A Legal Aspects of Evidence (CP 4) also listed as PARA 90A	4
PHTG 4 Introduction to Digital Photography	3

Total Units Required: 27-28

Certificate of Achievement-Advanced (COA-A)
Cyber Forensics and Investigations

Program Description

Cyber crime detection, investigations and network security skills are increasingly in demand by firms and government agencies that are engaged in the collection and evaluation of evidence. By completing the Cyber Forensics and Investigations Certificate of Achievement-Advance program, students will acquire skills to protect data and intellectual property, develop protective solutions, conduct network intrusion investigations and detect violations by

criminal, destructive and terrorist perpetrators. This certificate program will meet the needs of students who are seeking employment within the criminal justice system outside of the traditional law enforcement careers. In addition, this specialized knowledge will provide professional law enforcement and private investigative personnel with specialized skills to facilitate career advancement.

Program Learning Outcomes

Upon completion, students will be able to

- Identify the responsibilities of each component of the criminal justice system in relation to laws, investigations and rules of evidence
- Describe cyber network components and application of technologies
- Obtain skills to detect, retrieve digital data from and protect cyber systems from intrusion, data theft and corruption
- Prepare to investigate illicit activities and deter intrusions within computer network systems
- Prepare students for cyber security, hacking forensic investigator or examiner credentials

Program Requirements

Complete the following core courses

Courses	Units
ADMJ 1 Introduction to Administration of Justice also listed as POLI 10	4
ADMJ 3 Concepts of Criminal Law (CP 2) also listed as PARA 3 and POLI 13	4
ADMJ 90A Legal Aspects of Evidence (CP 4) also listed as PARA 90A	4
CIS 46 Fundamentals of Digital Security	4.5
CIS 104 Digital Forensics and Hacking Investigation	4.5
CIS 108 Personal Computer Security Basics	4.5

Complete one course from list below (4-4.5 Units)

Courses	Units
ADMJ 61 Criminal Investigation	4
CIS 102 Ethical Hacking	4.5

Total Units Required: 29.5-30

Certificate of Achievement-Advanced (COA-A)

Forensic Criminal Investigation Technician

Program Description

The Certificate of Achievement-Advanced for Forensic Criminal Investigation Technician provides the foundational skills required to successfully gain advanced, specialized knowledge and skills for currently employed law enforcement officers and nonsworn personnel for positions within criminal justice agency crime scene investigation (CSI) units. CSI knowledge and skills are required at all levels of criminal justice enforcement and investigation and this is a viable pathway for career employment, providing a competitive salary and benefits. Individuals desiring employment in this career path must have above-average communication and report-writing skills as they will be interacting with a wide variety of people in technical crime investigations, compiling detailed investigative reports, and testifying in court regarding their crime scene investigations.

Program Learning Outcomes

Upon completion, students will be able to

- Conduct a detailed crime scene investigation of a wide variety of felony crimes
- Identify the responsibilities of a crime scene investigator, including the identification, collection and processing of crime scene evidence
- Demonstrate knowledge and experience of the advanced skill set of investigative steps and the use of state-of-the-art investigative procedures and equipment
- Show knowledge and skill in completing a detailed, scientific criminal investigative report of the crime scene investigation
- Demonstrate ability to testify in a criminal court adjudication related to a broad spectrum of felony crimes

Program Requirements

Complete the following core courses

Courses	Units
ADMJ 3 Concepts of Criminal Law (CP 2) also listed as PARA 3 and POLI 13	4
ADMJ 61 Criminal Investigation	4
ADMJ 75 Principles and Procedures of the Justice System also listed as PARA 75 and POLI 75	4
ADMJ 84 Forensic Science	4
ADMJ 90A Legal Aspects of Evidence (CP 4) also listed as PARA 90A	4
ANTH 7 Introduction to Forensic Anthropology	4
PHTG 4 Introduction to Digital Photography	3

Complete one course (5 Units)

Courses	Units
BIOL 10 Introductory Biology or BIOL 10H Introductory Biology - HONORS	5
CHEM 10 Introductory Chemistry	5

Total Units Required: 32

Certificate of Achievement-Advanced (COA-A)
Private Security

Program Description

The Certificate of Achievement-Advanced in Private Security provides a compressed, minimum foundational education required for an individual's career pathway into the private security field. The emphasis is on courses needed to apply for entry-level positions. The courses offer exposure to patrol and justice procedures.

Program Learning Outcomes

Upon completion, students will be able to

- Identify the responsibilities of each component of the criminal justice system
- Identify and analyze ethical standards and unethical conduct that are unique to the criminal justice profession
- Construct a professional report of a crime utilizing report criteria

Program Requirements

Complete the following core courses

Courses	Units
ADMJ 1 Introduction to Administration of Justice also listed as POLI 10	4
ADMJ 56 Practical Writing for Administration of Justice	4
ADMJ 75 Principles and Procedures of the Justice System also listed as PARA 75 and POLI 75	4

Complete a minimum of 25 units

Courses	Units
ADMJ 3 Concepts of Criminal Law (CP 2) also listed as PARA 3 and POLI 13	4
ADMJ 6 Crime, Correction and Society	4
ADMJ 11 Federal Courts and Constitutional Law also listed as PARA 11 and POLI 11	4
ADMJ 29 Ethnic Studies, Cultural Pluralism and American Law and Justice also listed as CETH 29	4
ADMJ 53 California-Specific Criminal Law	4
ADMJ 54 Youth and the Law also listed as PARA 54 and SOC 54	4
ADMJ 55 Alcohol, Narcotics and Drug Abuse	4
ADMJ 61 Criminal Investigation	4
ADMJ 64 series ADMJ 64, 64X, 64Y, 64Z Administration of Justice Internship	1-4
ADMJ 84 Forensic Science	4
ADMJ 90A Legal Aspects of Evidence (CP 4) also listed as PARA 90A	4
PARA 95 Overview of American Law also listed as ADMJ 95 and POLI 95	4

Total Units Required: 37

Associate in Arts (A.A.) Degree
Corrections/Probation

Program Description

The A.A. degree in Corrections/Probation provides the foundational education required for an individual's career entry into the criminal justice field, specifically correctional operations and probation/parole case investigations. The courses range from concepts of criminal law, evidence, investigation and reporting to criminology, aspects of social change and corrections investigations.

Program Learning Outcomes

Upon completion, students will be able to

- Identify and discuss the legal and sociological approaches to correctional theories and practices
- Analyze the current correctional system and alternative sentencing solutions
- Analyze and evaluate the current theories and concepts that attribute social deviations to juvenile delinquency

Program Requirements

Complete the following core courses

Courses	Units
ADMJ 1 Introduction to Administration of Justice also listed as POLI 10	4

Courses	Units
ADMJ 6 Crime, Correction and Society 4	4
ADMJ 54 Youth and the Lawn also listed as PARA 54 and SOC 54	4
ADMJ 56 Practical Writing for Administration of Justice	4
ADMJ 73 Crime and Criminology also listed as SOC 73	4
ADMJ 74A Interviewing, Interrogation and Crisis Intervention also listed as PARA 74A and PSYC 74A	4
ADMJ 75 Principles and Procedures of the Justice System also listed as PARA 75 and POLI 75	4
ADMJ 78 Correctional Investigation	4

Complete five courses from below (14-20 Units)

Courses	Units
ADMJ 3 Concepts of Criminal Law (CP 2) also listed as PARA 3 and POLI 13	4
ADMJ 11 Federal Courts and Constitutional Law also listed as PARA 11 and POLI 11	4
ADMJ 25 Law and Social Change also listed as PARA 25	4
ADMJ 29 Ethnic Studies, Cultural Pluralism and American Law and Justice also listed as CETH 29	4
ADMJ 51 Women in Crime also listed as SOC 51	4
ADMJ 55 Alcohol, Narcotics and Drug Abuse	4
ADMJ 62 Sexual Assault, Police and Community Response also listed as PSYC 63	4
ADMJ 64 series ADMJ 64, 64X, 64Y, 64Z Administration of Justice Internship	1 - 4
ADMJ 69 Administration of Justice Field Trips	1
ADMJ 84 Forensic Science	4
ADMJ 90A Legal Aspects of Evidence (CP 4) also listed as PARA 90A	4
PARA 95 Overview of American Law also listed as ADMJ 95 and POLI 95	4

Recommended:

- *ADMJ 5, 53*
- *HIST 17A, 17AH, 17B, 17BH*
- *PSYC 1, 4*
- *SOC 1*
- *Spanish (any level)*

Major Units Required	46-52
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts (A.A.) Degree
Law Enforcement

Program Description

The A.A. degree in Law Enforcement provides the foundational education required for an individual's career pathway into the criminal justice field with an emphasis on the administration of justice. The courses range from the concepts of criminal law, evidence, investigation and reporting to community relations and criminology.

Program Learning Outcomes

Upon completion, students will be able to

- Identify the responsibilities of each component of the criminal justice system
- Analyze the issues and theories of ethical standards and unethical conduct that are unique to the criminal justice field
- Construct a professional report of a crime utilizing report criteria

Program Requirements

Complete the following core courses

Courses	Units
ADMJ 1 Introduction to Administration of Justice also listed as POLI 10	4
ADMJ 3 Concepts of Criminal Law (CP 2) also listed as PARA 3 and POLI 13	4
ADMJ 5 Community Relations	4
ADMJ 56 Practical Writing for Administration of Justice	4
ADMJ 61 Criminal Investigation	4
ADMJ 75 Principles and Procedures of the Justice System also listed as PARA 75 and POLI 75	4
ADMJ 90A Legal Aspects of Evidence (CP 4) also listed as PARA 90A	4

Complete five courses (14-20 Units)

Courses	Units
ADMJ 6 Crime, Correction and Society	4
ADMJ 11 Federal Courts and Constitutional Law also listed as PARA 11 and POLI 11	4
ADMJ 25 Law and Social Change also listed as PARA 25	4
ADMJ 29 Ethnic Studies, Cultural Pluralism and American Law and Justice also listed as CETH 29	4
ADMJ 51 Women in Crime also listed as SOC 51	4
ADMJ 53 California-Specific Criminal Law	4
ADMJ 54 Youth and the Law also listed as PARA 54 and SOC 54	4
ADMJ 55 Alcohol, Narcotics and Drug Abuse	4
ADMJ 62 Sexual Assault, Police and Community Response also listed as PSYC 63	4
ADMJ 64 series ADMJ 64, 64X, 64Y, 64Z Administration of Justice Internship	1-4
ADMJ 64 series ADMJ 64, 64X, 64Y, 64Z Administration of Justice Internship (1)	1-4
ADMJ 73 Crime and Criminology also listed as SOC 73	4
ADMJ 74A Interviewing, Interrogation and Crisis Intervention also listed as PARA 74A and PSYC 74A	4
ADMJ 84 Forensic Science	4
PARA 95 Overview of American Law also listed as ADMJ 95 and POLI 95	4

Major Units Required	42-48
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts (A.A.) Degree
Private Security

Program Description

The A.A. degree in Private Security provides the foundational education required for an individual's career pathway into the private security field. The courses range from the concepts of criminal law, evidence, investigations and reporting to patrol procedures and criminology.

Program Learning Outcomes

Upon completion, students will be able to

- Identify the components of the criminal justice system and describe how each is fundamental to criminology procedures
- Identify the elements of a crime based on a factual situation
- Construct a professional report of a crime utilizing report criteria

Program Requirements

Complete the following core courses

Courses	Units
ADMJ 1 Introduction to Administration of Justice also listed as POLI 10	4
ADMJ 3 Concepts of Criminal Law (CP 2) also listed as PARA 3 and POLI 13	4
ADMJ 56 Practical Writing for Administration of Justice	4
ADMJ 75 Principles and Procedures of the Justice System also listed as PARA 75 and POLI 75	4

Complete a minimum of 22 units

Courses	Units
ADMJ 6 Crime, Correction and Society	4
ADMJ 11 Federal Courts and Constitutional Law also listed as PARA 11 and POLI 11	4
ADMJ 29 Ethnic Studies, Cultural Pluralism and American Law and Justice also listed as CETH 29	4
ADMJ 53 California-Specific Criminal Law	4
ADMJ 54 Youth and the Law also listed as PARA 54 and SOC 54	4
ADMJ 55 Alcohol, Narcotics and Drug Abuse	4
ADMJ 61 Criminal Investigation	4
ADMJ 64 series ADMJ 64, 64X, 64Y, 64Z Administration of Justice Internship	2-4
ADMJ 69 Administration of Justice Field Trips	1
ADMJ 73 Crime and Criminology also listed as SOC 73	4

Courses	Units
ADMJ 74A Interviewing, Interrogation and Crisis Intervention also listed as PARA 74A and PSYC 74	4
ADMJ 84 Forensic Science	4
ADMJ 90A Legal Aspects of Evidence (CP 4) also listed as PARA 90A	4
PARA 95 Overview of American Law also listed as ADMJ 95 and POLI 95	4

Major Units Required	38
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts for Transfer (A.A.-T.) Degree

Associate in Arts in Law, Public Policy, and Society for Transfer

Program Description

The Law, Public Policy, and Society major consists of courses appropriate for an Associate in Arts in Law, Public Policy, and Society for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline, and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Arts in Law, Public Policy, and Society for Transfer is intended for students who plan to complete a bachelor's degree in Law, Public Policy, and Society (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Define and analyze the discipline of philosophy with a sustained focus on the ethics branch of philosophy
- Compare and analyze the key aspects of political systems within the concepts of state, state and society, political culture and political economy
- Identify and evaluate the process of economic decision-making within the context of social science
- Describe and explain the roles of major ethnic, cultural, social and gender groups in the development of United States political institutions and traditions
- Define and assess the critical role of both group and individual action in democratic decision-making
- Identify and evaluate how laws and the legal system affect the development and implementation of public policy and social control

Program Requirements

Complete the following core courses (39-42 Units)

Understanding the Law - Complete one course (4-5 Units)

Courses	Units
ADMJ 1 Introduction to Administration of Justicem also listed as POLI 10	4
ADMJ 75 Principles and Procedures of the Justice System also listed as PARA 75 and POLI 75	4
BUS 18 Business Law I	5

Ethics - Complete one course (4 Units)

Courses	Units
PHIL 8 Ethics or PHIL 8H Ethics - HONORS	4

Oral Communication - Complete one course (5 Units)

Courses	Units
COMM 8 Argumentation and Critical Inquiry in Oral Communication or COMM 8H Argumentation and Critical Inquiry in Oral Communication - HONORS	5
COMM 10 Fundamentals of Oral Communication or COMM 10H Fundamentals of Oral Communication - HONORS	5
COMM 15 Critical Decision-Making in Groups or COMM 15H Critical Decision-Making in Groups - HONORS	5

Written Communication - Complete one course (5 Units)

Courses	Units

Courses	Units
EWRT 1A Composition and Reading or EWRT 1AH Composition and Reading - HONORS or (EWRT 1AS* Intensive Composition and Reading Stretch: First Quarter and EWRT 1AT*) Intensive Composition and Reading Stretch: Second Quarter	5

Critical Thinking - Complete one course (not already taken 4 Units)

Courses	Units
COMM 8 Argumentation and Critical Inquiry in Oral Communication or COMM 8H Argumentation and Critical Inquiry in Oral Communication - HONORS	5
EWRT 2 Critical Reading, Writing and Thinking or EWRT 2H Critical Reading, Writing and Thinking - HONORS	5
PHIL 7 Deductive Logic or PHIL 7H Deductive Logic - HONORS	4

Quantitative Reasoning - Complete one course (4-5 Units)

Courses	Units
MATH 10 Introductory Statistics or MATH 10H Introductory Statistics - HONORS	5
PSYC 15 Statistics and Research Methods in Social Science also listed as SOC 15	4

US History - Complete two courses (8 Units)

Courses	Units
HIST 17B History of the United States from 1800 to 1900 or HIST 17BH History of the United States from 1800 to 1900 - HONORS	4
HIST 17C History of the United States from 1900 to the Present or HIST 17CH History of the United States from 1900 to the Present- HONORS	4

Introduction to American Government - Complete one course (5 Units)

Courses	Units
POLI 1 American Government and Politics or POLI 1H American Government and Politics - HONORS	5

List A - Complete two courses (not already taken) in two areas (8 - 9 Units)

Area 1 - Administrative of Justice/Criminal Justice/Criminology

Courses	Units
ADMJ 6 Crime, Correction and Society	4

Area 2 - Business

Courses	Units
BUS 18 Business Law I	5

Area 3 - Economics

Courses	Units
ECON 1 Principles of Macroeconomics or ECON 1H Principles of Macroeconomics - HONORS	4
ECON 2 Principles of Microeconomics or ECON 2H Principles of Microeconomics - HONORS	4

Area 3 - Economics

Courses	Units
ECON 1 Principles of Macroeconomics or ECON 1H Principles of Macroeconomics - HONORS	4
ECON 2 Principles of Microeconomics or ECON 2H Principles of Microeconomics - HONORS	4

Area 4 - Political Science

Courses	Units
POLI 2 Comparative Politics	4
POLI 5 Introduction to Political Thought and Theory	4

Area 5 - Public Policy

Courses	Units
SOC 20 Social Problems	4

Area 6 - Diversity

Courses	Units
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
CETH 10 Race, Ethnicity and Inequality or SOC 29 Sociology of Structural Racism in the United States	4

Area 7 - College Success

Courses	Units
HUMA 20 Life Skills for Higher Education	4

** EWRT 1AS and EWRT 1AT must be completed to fulfill the written communication requirement, however only 5 units will apply towards the major.*

Major Units Required	47-51
Transfer General Education	51-62 CSU GE or (IGETC for

Units Required	CSU)
Additional Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units

Total Units Required 90

Associate in Science for Transfer (A.S.-T.) Degree

Associate in Science in Administration of Justice for Transfer

Program Description

The Administration of Justice major consists of courses appropriate for an Associate in Science in Administration of Justice for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). Potential careers students may enter upon completion of this program include law enforcement, probation, parole or security. The Associate in Science in Administration of Justice for Transfer is intended for students who plan to complete a bachelor's degree in Administration of Justice (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Identify the responsibilities of each component of the criminal justice system
- Analyze the issues and theories of ethical standards and unethical conduct that are unique to the criminal justice field
- Construct a professional report of a crime utilizing report criteria

Program Requirements

Complete the following core courses (8 Units)

Courses	Units
ADMJ 1 Introduction to Administration of Justice also listed as POLI 10	4
ADMJ 3 Concepts of Criminal Law (CP 2) also listed as PARA 3 and POLI 13	4

List A - Complete three courses from below (12 units)

Courses	Units
ADMJ 6 Crime, Correction and Society	4
ADMJ 54 Youth and the Law also listed as PARA 54 and SOC 54	4
ADMJ 61 Criminal Investigation	4
ADMJ 75 Principles and Procedures of the Justice System also listed as PARA 75 and POLI 75	4
ADMJ 84 Forensic Science	4
ADMJ 90A Legal Aspects of Evidence (CP 4) also listed as PARA 90A	4

List B - Complete two courses below or from List A (not already taken) (8-10 units)

Courses	Units
PARA 95 Overview of American Law also listed as ADMJ 95 and POLI 95	4
POLI 1 American Government and Politics or POLI 1H American Government and Politics - HONORS	5
PSYC 1 General Psychology	4
SOC 1 Introduction to Sociology	4
SOC 15 Statistics and Research Methods in Social Science also listed as PSYC 15 or MATH 10 Introductory Statistics (5 Units) or MATH 10H Introductory Statistics - HONORS (5 Units)	4

Major Units Required	28-30
Transfer General Education Units Required	51-62 CSU GE or (IGETC for CSU)
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units

Total Units Required 90

Associate in Arts for Transfer (A.A.-T.) Degree

Associate in Arts in Anthropology for Transfer

Program Description

The Anthropology major consists of courses appropriate for an Associate in Arts in Anthropology for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Arts in Anthropology for Transfer is intended for students who plan to complete a bachelor's degree in Anthropology (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Apply a scientific, evolutionary and holistic approach to understanding human biological variation and cultural variation
- Use cultural relativism and recognize the validity of each culture as an adaptation to its physical, biotic and social environment
- Apply anthropological skills to address issues facing humanity both locally and globally

Program Requirements

Complete the following core courses (12 Units)

Courses	Units
ANTH 1 Physical Anthropology or ANTH 1H Physical Anthropology - HONORS	4
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
ANTH 3 Introduction to Archaeology	4

List A - Complete one course (4 Units)

Courses	Units
ANTH 4 World Prehistory	4
ANTH 6 Linguistic Anthropology	4

List B - Complete one course below or from List A (not already taken) (4-5 Units)

Courses	Units
GEOL 10 Introductory Geology	5
SOC 14 The Process of Social Research	4

List C - Complete three courses below or from List A or B (not already taken) (9-13 Units)

Courses	Units
ANTH 1L Physical Anthropology Laboratory	1
ANTH 5 Magic, Science and Religion	4
ANTH 7 Introduction to Forensic Anthropology	4
ANTH 8 Medical Anthropology: Methods and Practices	4
ANTH 12 Introduction to Applied Anthropology	4
ANTH 68 Anthropology and Museums	4

Recommended: ANTH 1L

Major Units Required	29-33
Transfer General Education Units Required	51-62 CSU GE or (IGETC for CSU)
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Skills Certificate

Museum Studies

Program Description

Skills Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. This Skills Certificate provides a foundation-level art and museum studies education. The Museum Studies courses emphasize the skills and knowledge necessary for entry-level employment in the museum and gallery field. A required internship provides practical experience, along with courses that include all aspects of design, installation and viewing of art exhibits in a museum and gallery environment.

Program Learning Outcomes

Upon completion, students will be able to

- Compare and contrast gallery and museum art exhibits in terms of history, culture and aesthetics
- Demonstrate a working knowledge of gallery design, processes and procedures
- Apply internship experience skills to art gallery or museum work environments

Program Requirements

Complete the following core courses

Courses	Units
ARTS 1A Introduction to the Visual Arts	4
ARTS 4A Beginning Drawing	4
ARTS 8 Two-Dimensional Design	4
ARTS 10A Three-Dimensional Design	4
ARTS 70 Viewing Bay Area Art Museums and Galleries	1
ARTS 71 Gallery and Exhibition Design	4
ARTS 72 Internship in Art	1

Total Units Required: 22

Certificate of Achievement (COA)
Graphic Design

Program Description

The Graphic and Interactive Design program emphasizes the elements and principles of design in combination with the use of computers, software and other design peripherals to produce graphic design projects. Focus is placed on the creative integration and selection of type styles and images as they relate to the printed page, film/video output, web-based design, user interface design and multimedia applications. The Graphic and Interactive Design program is designed to prepare students for the workforce.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate awareness of the computer as an effective and important mode of visual communication used by artists and designers today
- Demonstrate the creative potential of art and design software
- Analyze and interpret the elements and principles of graphic design as applied to the practice of visual communication and current graphic production techniques
- Demonstrate an understanding of the design process
- Analyze styles in typographic design, type selection and type specification in relation to new computer technology and the internet
- Demonstrate an understanding of the range of business practices currently used by artists and designers in the visual communications industry

Program Requirements

Complete the following

Courses	Units
ARTS 8 Two-Dimensional Design	4
ARTS 12 Design and Color	4
ARTS 53 Introduction to Graphic Design: Vector Illustration	4
ARTS 54 Introduction to Graphic Design: Digital Imaging	4
ARTS 55A Graphic Design-Communication I	4
PHTG 4 Introduction to Digital Photography	3

Recommended: ARTS 4D

Total Units Required: 23

Certificate of Achievement-Advanced (COA-A)
Art History

Program Description

Completion of the Art History Certificate of Achievement-Advanced provides students with a broad overview of the discipline of Art History from a global perspective. The program emphasizes visual literacy and research skills necessary for critical inquiry and analysis of art works, as well as knowledge of the technical processes of studio art relevant to the field of Art History.

Program Learning Outcomes

Upon completion, students will be able to

- Analyze artworks on the basis of social, cultural, political, economic and ethnic contexts and issues relevant to women's and gender studies
- Demonstrate critical thinking and visual literacy skills through oral and written communication, including those used to analyze, evaluate and synthesize primary and secondary sources
- Analyze artistic traditions through a cross-cultural perspective and in a global context

- Apply technical processes of studio art in written assignments in the field of Art History

Program Requirements

Complete the following core courses (8 Units)

Courses	Units
ARTS 2F History of Art (Multicultural Arts in the United States) also listed as CETH 13	4
ARTS 3TC Women and Art also listed as WMST 3C	4

Complete three courses (12 Units)

Courses	Units
ARTS 1B Architecture Past and Present	4
ARTS 2G History of Art: Arts of Asia also listed as ASAM 40	4
ARTS 2H History of Art: Native Arts of Mesoamerica and the Andes also listed as INTL 21	4
ARTS 2J History of Art: Arts of Africa, Oceania and Native North America also listed as INTL 22	4

Complete three courses (12 Units)

Courses	Units
ARTS 2A History of Art: Europe from Prehistory Through Early Christianity	4
ARTS 2B History of Art: Europe During the Middle Ages and the Renaissance	4
ARTS 2C History of Art: Europe from the Baroque Period Through Impressionism	4
ARTS 2D History of Art: Europe and the United States from Post-Impressionism to the Present	4
ARTS 3TE Today's Art Scene	4

Complete one course (4 Units)

Courses	Units
ARTS 4A Beginning Drawing	4
ARTS 15A Acrylic Painting I	4
ARTS 16A Oil Painting I	4

Complete six to eight units (6-8 Units)

Courses	Units
ARTS 4C Life Drawing	4
ARTS 8 Two-Dimensional Design	4
ARTS 10A Three-Dimensional Design	4
ARTS 12 Design and Color	4
ARTS 18B Ceramics (Beginning Wheel Throwing)	4
ARTS 37A Sculpture	4
ARTS 53 Introduction to Graphic Design: Vector Illustration	4
ARTS 70 Viewing Bay Area Art Museums and Galleries	1
ARTS 71 Gallery and Exhibition Design	4
ARTS 72 Internship in Art	1

Major Units Required	42-44
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Certificate of Achievement-Advanced (COA-A)

Graphic Design

Program Description

The Graphic and Interactive Design program emphasizes the elements and principles of design in combination with the use of computers, software and other design peripherals to produce graphic design projects. Focus is placed on the creative integration and selection of type styles and images as they relate to the printed page, film/video output, web-based design, user interface design and multimedia applications. The Graphic and Interactive Design program is designed to prepare students for the workforce.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate awareness of the computer as an effective and important mode of visual communication used by artists and designers today
- Demonstrate the creative potential of art and design software
- Analyze and interpret the elements and principles of graphic design as applied to the practice of visual

communication and current graphic production techniques
- Demonstrate an understanding of the design process
- Analyze styles in typographic design, type selection and type specification in relation to new computer technology and the internet
- Demonstrate an understanding of the range of business practices currently used by artists and designers in the visual communications industry

Program Requirements

Complete the following

Courses	Units
ARTS 8 Two-Dimensional Design	4
ARTS 12 Design and Color	4
ARTS 53 Introduction to Graphic Design: Vector Illustration	4
ARTS 54 Introduction to Graphic Design: Digital Imaging	4
ARTS 55A Graphic Design-Communication I	4
PHTG 4 Introduction to Digital Photography	3

Complete a minimum of 24 units

Courses	Units
ARTS 55B Graphic Design-Communication II	4
ARTS 56 Graphic Design: Page Layout for Digital Publishing	4
ARTS 57 Graphic Design-Communication: Typography	4
ARTS 63 Graphic Design: Portfolio and Business Practices	4
ARTS 65 Graphic Design: UI/UX and the World Wide Web	4
ARTS 85 Graphic Design: Motion Graphics	4
ARTS 86 Graphic Design: Digital Illustration Techniques	4

Complete a minimum of three units

Courses	Units
ARTS 4A Beginning Drawing	4
ARTS 55C Graphic Design-Communication III: Production Techniques	4
CIS 89A Web Page Development	4.5
F/TV 20 Beginning Video Production	4
JOUR 61A Student News Media Production I	3
JOUR 62B Freelance Photography for Student Media	1
JOUR 62D Freelance Digital Production for Student Media	1
JOUR 62E Freelance Graphic Production for Student Media	1

Total Units Required: 50

Associate in Arts (A.A.) Degree
Art History

Program Description

Completion of the Art History A.A. degree provides students with a broad overview of the discipline of Art History from a global perspective. The program emphasizes visual literacy and research skills necessary for critical inquiry and analysis of art works, as well as knowledge of the technical processes of studio art relevant to the field of Art History.

Program Learning Outcomes

Upon completion, students will be able to

- Analyze artworks on the basis of social, cultural, political, economic and ethnic contexts and issues relevant to women's and gender studies
- Demonstrate critical thinking and visual literacy skills through oral and written communication, including those used to analyze, evaluate and synthesize primary and secondary sources
- Analyze artistic traditions through a cross-cultural perspective and in a global context
- Apply technical processes of studio art in written assignments in the field of Art History

Program Requirements

Complete the following core courses (8 Units)

Courses	Units
ARTS 2F History of Art (Multicultural Arts in the United States) also listed as CETH 13	4
ARTS 3TC Women and Art also listed as WMST 3C	4

Complete three courses (12 Units)

Courses	Units
ARTS 1B Architecture Past and Present	4
ARTS 2G History of Art: Arts of Asia also listed as ASAM 40	4
ARTS 2H History of Art: Native Arts of Mesoamerica and the Andes also listed as INTL 21	4
ARTS 2J History of Art: Arts of Africa, Oceania and Native North America also listed as INTL 22	4

Complete three courses (12 Units)

Courses	Units
ARTS 2A History of Art: Europe from Prehistory Through Early Christianity	4
ARTS 2B History of Art: Europe During the Middle Ages and the Renaissance	4
ARTS 2C History of Art: Europe from the Baroque Period Through Impressionism	4
ARTS 2D History of Art: Europe and the United States from Post-Impressionism to the Present	4
ARTS 3TE Today's Art Scene	4

Complete one course (4 Units)

Courses	Units
ARTS 4A Beginning Drawing	4
ARTS 15A Acrylic Painting I	4
ARTS 16A Oil Painting I	4

Complete six to eight units (6-8 Units)

Courses	Units
ARTS 4C Life Drawing	4
ARTS 8 Two-Dimensional Design	4
ARTS 10A Three-Dimensional Design	4
ARTS 12 Design and Color	4
ARTS 18B Ceramics (Beginning Wheel Throwing)	4
ARTS 37A Sculpture	4
ARTS 53 Introduction to Graphic Design: Vector Illustration	4
ARTS 70 Viewing Bay Area Art Museums and Galleries	1
ARTS 71 Gallery and Exhibition Design	4
ARTS 72 Internship in Art	1

Major Units Required	42-44
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts (A.A.) Degree

Ceramics

Program Description

This degree provides foundation-level art and fundamental ceramics instruction. In the ceramics courses, students gain the experience necessary for entry-level positions and skills needed for ceramics study.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate competency in hand and wheel forming techniques
- Develop expertise in clay selection for different types of expression and surface embellishment
- Demonstrate competency in advanced technical skills associated with ring techniques
- Demonstrate loading and ring kilns for different temperature aesthetics and function

Program Requirements

Complete the following core courses (28 Units)

Courses	Units
ARTS 4A Beginning Drawing	4
ARTS 8 Two-Dimensional Design	4
ARTS 10A Three-Dimensional Design	4
ARTS 18A Ceramics	4
ARTS 18B Ceramics (Beginning Wheel Throwing)	4
ARTS 18C Ceramics (Intermediate Wheel Throwing)	4
ARTS 18D Ceramics Hand Building	4

Complete two courses (6-8 Units)

Courses	Units

Courses	Units
ARTS 18E Ceramics (Advanced Wheel Throwing)	4
ARTS 19H Ceramics Raku	4
ARTS 19J Ceramics Techniques	4
ARTS 19K Ceramics Decoration	4
ARTS 19M Ceramics Low Fire	4
ARTS 20 Ceramics Individual Laboratory	2

Major Units Required	34-36
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units

Total Units Required 90

Associate in Arts (A.A.) Degree
Graphic Design

Program Description

The Graphic and Interactive Design program emphasizes the elements and principles of design in combination with the use of computers, software and other design peripherals to produce graphic design projects. Focus is placed on the creative integration and selection of type styles and images as they relate to the printed page, film/video output, web-based design, user interface design and multimedia applications. The Graphic and Interactive Design program is designed to prepare students for the workforce.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate awareness of the computer as an effective and important mode of visual communication used by artists and designers today
- Demonstrate the creative potential of art and design software
- Analyze and interpret the elements and principles of graphic design as applied to the practice of visual communication and current graphic production techniques
- Demonstrate an understanding of the design process
- Analyze styles in typographic design, type selection and type specification in relation to new computer technology and the internet
- Demonstrate an understanding of the range of business practices currently used by artists and designers in the visual communications industry

Program Requirements

Complete the following

Courses	Units
ARTS 8 Two-Dimensional Design	4
ARTS 12 Design and Color	4
ARTS 53 Introduction to Graphic Design: Vector Illustration	4
ARTS 54 Introduction to Graphic Design: Digital Imaging	4
ARTS 55A Graphic Design-Communication I	4
PHTG 4 Introduction to Digital Photography	3

Complete a minimum of 24 units

Courses	Units
ARTS 55B Graphic Design-Communication II	4
ARTS 56 Graphic Design: Page Layout for Digital Publishing	4
ARTS 57 Graphic Design-Communication: Typography	4
ARTS 63 Graphic Design: Portfolio and Business Practices	4
ARTS 65 Graphic Design: UI/UX and the World Wide Web	4
ARTS 85 Graphic Design: Motion Graphics	4
ARTS 86 Graphic Design: Digital Illustration Techniques	4

Complete a minimum of three units

Courses	Units
ARTS 4A Beginning Drawing	4
ARTS 55C Graphic Design-Communication III: Production Techniques	4
CIS 89A Web Page Development	4.5
F/TV 20 Beginning Video Production	4
JOUR 61A Student News Media Production I	3
JOUR 62B Freelance Photography for Student Media	1
JOUR 62D Freelance Digital Production for Student Media	1

Courses	Units
JOUR 62E Freelance Graphic Production for Student Media	1

Major Units Required	50
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units

Total Units Required 90

Associate in Arts (A.A.) Degree
Painting

Program Description

This A.A. degree provides a comprehensive foundation in the areas of design, color theory, multiple painting processes, and professional software and hardware used by artists and designers. Students gain the skills and experience necessary to demonstrate a complete understanding of aesthetics, techniques and philosophy in the creative process.

Program Learning Outcomes

Upon completion, students will be able to

- Critically analyze and assess diverse historical and contemporary works of art, architecture and design
- Create art that engages and builds on historical and contemporary practices, theories and materials
- Translate concepts and visual experience into images and tactile forms
- Present finished artwork for peer, professional or academic review
- Evaluate and critique artwork and receive criticism from others
- Express artistic concepts and intents in written and oral formats

Program Requirements

Complete the following core courses (20 Units)

Courses	Units
ARTS 4A Beginning Drawing	4
ARTS 4B Intermediate Drawing	4
ARTS 4C Life Drawing	4
ARTS 8 Two-Dimensional Design	4
ARTS 12 Design and Color	4

Complete one course (4 Units)

Courses	Units
ARTS 1A Introduction to the Visual Arts	4
ARTS 2D History of Art: Europe and the United States from Post-Impressionism to the Present	4
ARTS 3TE Today's Art Scene	4

Complete one course (4 Units)

Courses	Units
ARTS 4D Representational Drawing	4
ARTS 10A Three-Dimensional Design	4

Complete six courses (24 Units)

Courses	Units
ARTS 14A Watercolor Painting I	4
ARTS 14B Watercolor Painting II	4
ARTS 14C Watercolor Painting III	4
ARTS 15A Acrylic Painting I	4
ARTS 15B Acrylic Painting II	4
ARTS 15C Acrylic Painting III	4
ARTS 16A Oil Painting I	4
ARTS 16B Oil Painting II	4
ARTS 16C Oil Painting III	4

Major Units Required	52
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units

Total Units Required 90

Associate in Arts (A.A.) Degree
Sculpture

Program Description

This degree offers a comprehensive foundation in three-dimensional design, sculpture and furniture design. Students acquire the knowledge and technical skills which are applicable to the other fields of study, including studio art production, product design, museum work, architectural design and model making.

Program Learning Outcomes

Upon completion, students will be able to

- Explore and develop individual ideas by drawing and creating original works of art while incorporating advanced sculpture techniques
- Create a body of work or develop a portfolio which is reflective of their coursework in preparation for further studies
- Demonstrate advanced critical thinking and problem solving skills during each phase of the sculpture making process
- Use specific tools expertly in working with a variety of sculpture materials and techniques

Program Requirements

Complete the following (44 Units)

Courses	Units
ARTS 4A Beginning Drawing	4
ARTS 4B Intermediate Drawing	4
ARTS 8 Two-Dimensional Design	4
ARTS 10A Three-Dimensional Design	4
ARTS 10B Intermediate Three-Dimensional Design	4
ARTS 37A Sculpture	4
ARTS 37B Intermediate Sculpture	4
ARTS 37C Advanced Sculpture	4
ARTS 58A Furniture Design	4
ARTS 58B Intermediate Furniture Design	4
ARTS 58C Advanced Furniture Design	4

Complete one course (4 Units)

Courses	Units
ARTS 2D History of Art: Europe and the United States from Post-Impressionism to the Present	4
ARTS 3TE Today's Art Scene	4

Major Units Required	48
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts (A.A.) Degree
Spatial Art

Program Description

The Spatial Art degree will help De Anza students smoothly transfer to San José State University's third-year Spatial Art program. The acquired knowledge may be transferred into areas such as teaching, studio art production, product design, museum work, architectural design and model making.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate competency in hand- and wheel-forming techniques
- Develop expertise in clay selection for different types of expression and surface embellishment
- Demonstrate competency in advanced technical skills associated with ring techniques
- Demonstrate loading and ring kilns for different temperature aesthetics and function
- Emphasize idea development, visual investigation and the sculpture making process on an advanced level
- Practice critical thinking and problem solving skills
- Employ materials appropriate to advanced sculptural work
- Apply knowledge of safe and proper use of all shop tools

Program Requirements

Complete the following

Courses	Units
ARTS 4A Beginning Drawing	4
ARTS 8 Two-Dimensional Design	4

Courses	Units
ARTS 10A Three-Dimensional Design	4
ARTS 10B Intermediate Three-Dimensional Design	4
ARTS 18A Ceramics	4
ARTS 18B Ceramics (Beginning Wheel Throwing)	4
ARTS 37A Sculpture	4
PHTG 1 Basic Photography	3

Complete one option (4-8 Units)

Option 1

Courses	Units
ARTS 2A History of Art: Europe from Prehistory Through Early Christianity	4
ARTS 2B History of Art: Europe During the Middle Ages and the Renaissance	4

Option 2

Courses	Units
ARTS 2B History of Art: Europe During the Middle Ages and the Renaissance	4
ARTS 2C History of Art: Europe from the Baroque Period Through Impressionismnaissance	4

Option 3

Courses	Units
ARTS 2G History of Art: Arts of Asia also listed as ASAM 40	4

Complete three courses (12 Units)

Courses	Units
ARTS 18C Ceramics (Intermediate Wheel Throwing)	4
ARTS 18D Ceramics Hand Building	4
ARTS 19J Ceramics Techniques	4
ARTS 19K Ceramics Decoration	4
ARTS 19M Ceramics Low Fire	4
ARTS 37B Intermediate Sculpture	4
ARTS 37C Advanced Sculpture	4
ARTS 58A Furniture Design	4
ARTS 58B Intermediate Furniture Design	4
ARTS 58C Advanced Furniture Design	4

Major Units Required	47-51
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts for Transfer (A.A.-T.) Degree

Associate in Arts in Art History for Transfer

Program Description

The Art History major consists of courses appropriate for an Associate in Arts in Art History for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline, and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Arts in Art History for Transfer is intended for students who plan to complete a bachelor's degree in Art History (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Differentiate between, collect, and analyze primary and secondary source information related to analysis of works of art
- Analyze the social experiences of artists, demonstrating how artists' relationships with their patrons were defining factors in producing works of art
- Investigate the different techniques, materials, and tools utilized in production, through written analysis based on observation of original works of art

Program Requirements

Complete the following core courses (20 Units)

Courses	Units

Courses	Units
ARTS 2A History of Art: Europe from Prehistory Through Early Christianity	4
ARTS 2B History of Art: Europe During the Middle Ages and the Renaissance	4
ARTS 2C History of Art: Europe from the Baroque Period Through Impressionism	4
ARTS 2D History of Art: Europe and the United States from Post-Impressionism to the Present	4
ARTS 4A Beginning Drawing	4

List A - Complete one course (4 Units)

Courses	Units
ARTS 2G History of Art: Arts of Asia also listed as ASAM 40	4
ARTS 2J History of Art: Arts of Africa, Oceania and Native North America also listed as INTL 22	4

List B - Complete one course (3-4 Units)

Courses	Units
ARTS 3TE Today's Art Scene	4
ARTS 4C Life Drawing	4
ARTS 8 Two-Dimensional Design	4
ARTS 10A Three-Dimensional Design	4
ARTS 18A Ceramics	4
ARTS 37A Sculpture	4
ARTS 53 Introduction to Graphic Design: Vector Illustration	4
PHTG 1 Basic Photography	3

List C - Complete one course below or from List A or B (not already taken) (4-5 Units)

Courses	Units
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
ANTH 3 Introduction to Archaeology	4
ANTH 4 World Prehistory	4
ARTS 1A Introduction to the Visual Arts	4
ARTS 1B Architecture Past and Present	4
ARTS 2F History of Art (Multicultural Arts in the United States) also listed as CETH 13	4
ARTS 3TC Women and Art also listed as WMST 3C	4
F/TV 1 Introduction to Cinematic Arts or F/TV 1H Introduction to Cinematic Arts - HONORS	4
GERM 4 Intermediate German (First Quarter)	5
HIST 3A World History from Prehistory to 750 CE or HIST 3AH World History from Prehistory to 750 CE - HONORS	4
HIST 3B World History from 750 to 1750 CE or HIST 3BH World History from 750 to 1750 CE - HONORS	4
HIST 3C World History from 1750 CE to the Present or HIST 3CH World History from 1750 CE to the Present - HONORS	4
HUMI 1 Creative Minds or HUMI 1H Creative Minds - HONORS	4
HUMI 2 But is it Art? Questions and Criticism	4
HUMI 6 Popular Culture	4
HUMI 7 The Arts and the Human Spirit	4
HUMI 9 Introduction to Comparative Religion or HUMI 9H Introduction to Comparative Religion - HONORS	4
HUMI 10 Global Religious Perspectives: Judaism, Christianity and Islam	4
HUMI 15 Discussion on the Arts	4
HUMI 18 History as Mystery: A Critique of Western Perspectives in a Global Context or HUMI 18H History as Mystery: A Critique of Western Perspectives in a Global Context - HONORS	4
HUMI 20 The Greek Achievement	4
JAPN 4 Intermediate Japanese (First Quarter)	5
MAND 4 Intermediate Mandarin (First Quarter)	5
PHTG 7 Exploring Visual Expression	4
PHTG 21 Contemporary Trends in Photography	4
SPAN 4 Intermediate Spanish (First Quarter)	5
VIET 4 Intermediate Vietnamese (First Quarter)	5

Major Units Required	31-33
Transfer General Education Units Required	51-62 CSU GE or (IGETC for CSU)
Additional Elective Units	Elective courses required when the major units plus GE

	units total is less than 90 units
Total Units Required	**90**

Associate in Arts for Transfer (A.A.-T.) Degree

Associate in Arts in Studio Arts

Program Description

The Studio Arts major consists of courses appropriate for an Associate in Arts in Studio Arts for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline, and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Arts in Studio Arts for Transfer is intended for students who plan to complete a bachelor's degree in Studio Arts at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Develop the fundamental two- and three-dimensional foundation-level technical skills, materials, concepts, theory and practice
- Develop a strong awareness of cultural art traditions and practice through the examination and critical evaluation of culturally significant works of art
- Critique and analyze two- and three-dimensional art and design projects using contemporary art and design principles, theories, vocabulary and visual literacy

Program Requirements

Complete the following core courses (24 Units)

Courses	Units
ARTS 2B History of Art: Europe During the Middle Ages and the Renaissance	4
ARTS 2C History of Art: Europe from the Baroque Period Through Impressionism	4
ARTS 2D History of Art: Europe and the United States from Post-Impressionism to the Present	4
ARTS 4A Beginning Drawing	4
ARTS 8 Two-Dimensional Design	4
ARTS 10A Three-Dimensional Design	4

List A - Complete one course (4 Units)

Courses	Units
ARTS 2A History of Art: Europe from Prehistory Through Early Christianity	4
ARTS 2G History of Art: Arts of Asia also listed as ASAM 40	4
ARTS 2J History of Art: Arts of Africa, Oceania and Native North America also listed as INTL 22	4

List B - Complete one course in three areas (11-12 Units)

Drawing Area

Courses	Units
ARTS 4B Intermediate Drawing	4
ARTS 4C Life Drawing	4

Painting Area

Courses	Units
ARTS 14A Watercolor Painting I	4
ARTS 15A Acrylic Painting I	4
ARTS 16A Oil Painting I	4

Ceramics Area

Courses	Units
ARTS 18A Ceramics	4

Sculpture Area

Courses	Units
ARTS 37A Sculpture	4

Digital Art Area

Courses	Units
ARTS 53 Introduction to Graphic Design: Vector Illustration	4

Photography Area

Courses	Units
PHTG 1 Basic Photography	3
PHTG 4 Introduction to Digital Photography	3

Color

Courses	Units
ARTS 12 Design and Color	4

Second Quarter Area

Courses	Units
ARTS 18B Ceramics (Beginning Wheel Throwing)	4
ARTS 18C Ceramics (Intermediate Wheel Throwing)	4
ARTS 18D Ceramics Hand Building	4
ARTS 18E Ceramics (Advanced Wheel Throwing)	4
ARTS 37B Intermediate Sculpture	4
ARTS 54 Introduction to Graphic Design: Digital Imaging	4
ARTS 55A Graphic Design-Communication I	4

Major Units Required	39-40
Transfer General Education Units Required	51-62 SU GE or (IGETC for CSU)
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Certificate of Achievement (COA)

Asian American Studies

Program Description

The Certificate of Achievement in Asian American Studies prepares students to be historically informed and equity-minded participants and leaders in the multi-ethnic and multiracial communities in which they live, work, learn, and play — especially in settings that directly impact Asian Americans and Pacific Islanders. Students who complete the certificate will gain the skills and knowledge to assess and affect the social conditions and institutional settings that shape the lives of Asian Americans and Pacific Islanders, with particular attention to the cross-cutting forces of race, gender, class and sexuality. For students with professional pursuits in mind, completion of the certificate will increase leadership capacity to research, understand, communicate and work with various Asian American and Pacific Islander communities, whether through community organizing, nonprofit organizations, public policy, public service or business. For students with transfer pursuits in mind, completion of the certificate includes transferable general education credits to universities and colleges, and also greater academic preparation for the social sciences and humanities, including an Asian American Studies or Ethnic Studies major. Colleges that offer a baccalaureate major in Asian American Studies include the University of California campuses at Berkeley, Davis, Irvine, Los Angeles, Riverside and Santa Barbara, and the California State University campuses at Long Beach, Los Angeles, Northridge and San Francisco.

Program Learning Outcomes

Upon completion, students will be able to

- Analyze concerns that animate Asian American and Pacific Islander communities in the context of social relations of power as well as Asian American and Pacific Islander histories
- Assess the strategies, tactics, and complexities of community formation and community empowerment for Asian Americans and Pacific Islanders pan-ethnically and for specific populations
- Employ analytical skills of the social sciences, interpretive methods of the humanities, leadership resources of community organizing, and the creative impulses of social change toward promoting greater social justice and equity, with particular attention to Asian American and Pacific Islander communities

Program Requirements

Complete the following

Courses	Units
ASAM 1 Asian American Experiences Past to Present	4

Complete two-three courses (8-12 Units)

Courses	Units
ASAM 10 Contemporary Asian American Communities	4
ASAM 11 Asian Americans and Racism	4
ASAM 12 Asian Americans and American Ideals, Institutions and Politics	4
ASAM 13 Asian Americans and Asia	4
ASAM 20 Asian Pacific American Literature also listed as ELIT 24	4
ASAM 21 Asian Pacific Americans Make Culture	4
CETH 50 Civic Leadership for Community Empowerment	4

Complete two courses if two courses selected above OR one course if three courses selected above

Courses	Units
ASAM 30 Filipinx American History and Culture	4

Courses	Units
ASAM 32 Vietnamese Literature from Traditional to Asian American Expressions	4
ASAM 40 History of Art: Arts of Asia also listed as ARTS 2G	4
ASAM 41 Introduction to Korean Popular Culture (4) also listed as HUMI 13	4
ASAM 42A History of Asian Civilization: China and Japan (to the 19th Century) also listed as HIST 19A	4
ASAM 42B History of Asian Civilization: China and Japan (19th - 21st Centuries) also listed as HIST 19B	4
HNDI 1* Elementary Hindi (First Quarter)	5
HNDI 2* Elementary Hindi (Second Quarter)	5
HNDI 3* Elementary Hindi (Third Quarter)	5
JAPN 1* Elementary Japanese (First Quarter)	5
JAPN 2* Elementary Japanese (Second Quarter)	5
JAPN 3* Elementary Japanese (Third Quarter)	5
JAPN 4* Intermediate Japanese (First Quarter)	5
JAPN 5* Intermediate Japanese (Second Quarter)	5
KORE 1* Elementary Korean (First Quarter)	5
KORE 2* Elementary Korean (Second Quarter) or KORE 2H* Elementary Korean (Second Quarter) - HONORS	5
KORE 3* Elementary Korean (Third Quarter) or KORE 3H* Elementary Korean (Third Quarter) - HONORS	5
MAND 1* Elementary Mandarin (First Quarter)	5
MAND 2* Elementary Mandarin (Second Quarter)	5
MAND 3* Elementary Mandarin (Third Quarter)	5
MAND 5* Intermediate Mandarin (Second Quarter)	5
MAND 6* Intermediate Mandarin (Third Quarter)	5
NAIS 31 Ethnic Studies: Native Hawaiian and Pacific Islander Experiences	4
VIET 1* Elementary Vietnamese (First Quarter)	5
VIET 2* Elementary Vietnamese (Second Quarter)	5
VIET 3* Elementary Vietnamese (Third Quarter)	5
VIET 4* Intermediate Vietnamese (First Quarter)	5
VIET 5* Intermediate Vietnamese (Second Quarter)	5
VIET 6* Intermediate Vietnamese (Third Quarter)	5
WMST 22 Asian American Pacific Islander Women also listed as ASAM 22	4

** A maximum of five units from a language course will apply.*

Total Units Required: 20-21

Certificate of Achievement (COA)

Advanced Automotive Technology

Program Description

This Certificate of Achievement prepares students for an entry-level position in the automotive repair industry in advanced automotive electrical and environmental concepts.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate understanding of general advanced automotive electrical/environmental concepts as they relate to automotive service, diagnosis and repair

Program Requirements

Complete the following

Courses	Units
AUTO 60K Automotive Body Electrical Systems	4.5
AUTO 66 Automotive Air Conditioning	4.5
AUTO 67A Hybrid Electric Vehicles	4.5
AUTO 67B Plug-In Electric Vehicle Technology	4.5
AUTO 67J Introduction to Automotive and Light Truck Diesel Systems	4.5

Total Units Required: 22.5

Certificate of Achievement (COA)

Advanced Engine Performance Technology

Program Description

This Certificate of Achievement helps prepare students for an entry-level position in the automotive repair industry.

Program Learning Outcomes

Upon completion, students will be able to

- Utilize the appropriate diagnostic equipment, documentation and troubleshoot principles on various automotive systems

Program Requirements

Complete the following

Courses	Units
AUTO 60F No-Start Diagnosis	4.5
AUTO 60G Advanced Scan Tool Diagnosis	4.5
AUTO 60H Advanced Drivability and Onboard Diagnostics	4.5
AUTO 60J Advanced Lab Scope and Waveform Diagnosis	4.5

Total Units Required: 18

Certificate of Achievement (COA)
Automotive Chassis Technology

Program Description

This Certificate of Achievement prepares students for an entry-level position in automotive undercar inspection and repair procedures.

Program Learning Outcomes

Upon completion, students will be able to

- Perform undercar inspections and repair suspension, steering, hydraulic and active braking systems

Program Requirements

Complete the following

Courses	Units
AUTO 61A Automotive Brake Systems	4.5
AUTO 61B Electronically Controlled Brake Systems	4.5
AUTO 62A Automotive Suspension, Steering and Alignment	9

Total Units Required: 18

Certificate of Achievement (COA)
Automotive General Service Technician

Program Description

This Certificate of Achievement prepares a student for employment as an entry-level technician performing vehicle inspections, new car preparation and general automotive maintenance.

Program Learning Outcomes

Upon completion, students will be able to

- Perform basic engine service, cooling system maintenance and battery testing
- Perform tire service including balancing, disc and drum brake service, and basic front and rear suspension service

Program Requirements

Complete the following

Courses	Units
AUTO 50A Introduction to Automotive Principle	4
AUTO 50B Applied Automotive Principles	2
AUTO 51A Introduction to Automotive Principles - Chassis Systems	4
AUTO 51B Applications of Automotive Principles - Chassis Systems	2
AUTO 60 Automotive Electrical Systems	9

Total Units Required: 21

Certificate of Achievement (COA)
Automotive Machining and Engine Repair Technology

Program Description

This Certificate of Achievement prepares students for an entry-level engine diagnostics technician position in the automotive repair industry.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate an understanding of four-stroke engine theory, basic safe machining practices and engine assembly

Program Requirements

Complete the following

Courses	Units
AUTO 64 Automotive Machining and Engine Repair	9
AUTO 64HP High Performance Engine Preparation	9

Total Units Required: 18

Certificate of Achievement (COA)
Automotive Powertrain Technology

Program Description

This Certificate of Achievement helps prepare students for an entry-level position in the automotive repair industry in automotive transmission and differential.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate knowledge of the overall operation of an automotive transmission and differential

Program Requirements

Complete the following

Courses	Units
AUTO 63 Automatic Transmissions and Transaxles	9
AUTO 63A Advanced Manual Drive Train	9
AUTO 63D Transmission Diagnostic and Repair Techniques	4.5

Total Units Required: 22.5

Certificate of Achievement (COA)
Basic Engine Performance Technology

Program Description

This Certificate of Achievement prepares a student to be successful as an entry-level technician in vehicle electrical systems repairs.

Program Learning Outcomes

Upon completion, students will be able to

- Identify the basic electrical circuits and diagnose automotive electrical systems
- Apply the basic principles of physics as they work in the automotive industry

Program Requirements

Complete the following

Courses	Units
AUTO 53A Automotive Mechanisms	4
AUTO 60 Automotive Electrical Systems	9
AUTO 60A Electrical Schematic Diagnosis	4.5
AUTO 60B Automotive Electronics	4.5

Total Units Required: 22

Certificate of Achievement (COA)
Intermediate Engine Performance Technology

Program Description

This Certificate of Achievement prepares a student to be successful as an entry-level technician in vehicle ignition, fuel and ignition systems.

Program Learning Outcomes

Upon completion, students will be able to

- Interpret and analyze automotive ignition, fuel and ignition systems

Program Requirements

Complete the following

Courses	Units
AUTO 60C Automotive Ignition, Fuel and Emission Systems	9
AUTO 60D Ignition Analysis and Oscilloscope Diagnosis	4.5
AUTO 60E Automotive Fuel Injection	4.5

Total Units Required: 18

Certificate of Achievement (COA)
Smog Technician

Program Description

This Certificate of Achievement prepares students for an entry-level position in the automotive repair industry performing California state smog inspections.

Program Learning Outcomes

Upon completion, students will be able to

- Perform a complete California state smog inspection

Program Requirements

Complete the following

Courses	Units
AUTO 60C Automotive Ignition, Fuel and Emission Systems	9
AUTO 65P Smog Inspector - Level 1 Training	7
AUTO 65W Smog Inspector - Level 2 Training	2.5

Total Units Required: 18.5

Certificate of Achievement-Advanced (COA-A)
Advanced Engine Performance Technology

Program Description

This Certificate of Achievement-Advanced prepares students with advanced skills for an entry-level position in the automotive repair industry utilizing appropriate diagnostic equipment, documentation and troubleshooting principles on various automotive systems.

Program Learning Outcomes

Upon completion, students will be able to

- Identify the basic electrical circuits and diagnose automotive electrical systems
- Apply the basic principles of physics as they work in the automotive industry
- Interpret and analyze automotive ignition, fuel and ignition systems
- Utilize appropriate diagnostic equipment, documentation and troubleshooting principles on various automotive systems

Program Requirements

Complete the following

Courses	Units
AUTO 53A Automotive Mechanisms	4
AUTO 60 Automotive Electrical Systems	9
AUTO 60A Electrical Schematic Diagnosis	4.5
AUTO 60B Automotive Electronics	4.5
AUTO 60C Automotive Ignition, Fuel and Emission Systems	9
AUTO 60D Ignition Analysis and Oscilloscope Diagnosis	4.5
AUTO 60E Automotive Fuel Injection	4.5
AUTO 60F No-Start Diagnosis	4.5
AUTO 60G Advanced Scan Tool Diagnosis	4.5
AUTO 60H Advanced Drivability and Onboard Diagnostics	4.5
AUTO 60J Advanced Lab Scope and Waveform Diagnosis	4.5

Total Units Required: 58

Certificate of Achievement-Advanced (COA-A)
Automotive Chassis Technology

Program Description

This Certificate of Achievement-Advanced prepares students with advanced skills for an entry-level position in the automotive repair industry in undercar inspection and repair procedures.

Program Learning Outcomes

Upon completion, students will be able to

- Perform undercar inspections and repair suspension, hydraulic and active braking systems
- Diagnose vehicle alignment concerns
- Identify the basic electrical circuits and diagnose automotive electrical systems
- Apply the basic principles of physics as they work in the automotive industry

Program Requirements

Complete the following

Courses	Units
AUTO 53A Automotive Mechanisms	4

Courses	Units
AUTO 60 Automotive Electrical Systems	9
AUTO 60A Electrical Schematic Diagnosis	4.5
AUTO 60B Automotive Electronics	4.5
AUTO 61A Automotive Brake Systems	4.5
AUTO 61B Electronically Controlled Brake Systems	4.5
AUTO 62A Automotive Suspension, Steering and Alignment	9
AUTO 62B Advanced Wheel Alignment	9

Total Units Required: 49

Certificate of Achievement-Advanced (COA-A)

Automotive Chassis and Powertrain

Program Description

This Certificate of Achievement-Advanced prepares students for an entry-level position in the automotive repair industry.

Program Learning Outcomes

Upon completion, students will be able to

- Perform undercar inspections and repair suspension, steering, hydraulic and active braking systems
- Demonstrate overall operation of an automotive transmission and differential as it relates to service, diagnosis and repair
- Identify basic electrical circuits and diagnose automotive electrical circuit systems
- Apply the basic principles of physics as they work in the automotive industry
- Use written and oral communication skills to write repair orders and speak with customers

Program Requirements

Complete the following

Courses	Units
AUTO 53A Automotive Mechanisms	4
AUTO 53B Automotive Electromechanical Systems	2
AUTO 57A Career Research and Employment in the Automotive Industry	2
AUTO 91A Automotive Brake Systems	6
AUTO 92A Automotive Steering and Suspension	6
AUTO 92B Automotive Alignment	6
AUTO 93A Automotive Final Drive Train	6
AUTO 93B Standard Transaxles	2
AUTO 93C Automatic Transmissions	6
AUTO 93D Automatic Transaxles	2
AUTO 93E Diagnostic Techniques	1.5
AUTO 93F Automotive Transmission Service	6

Total Units Required: 49.5

Certificate of Achievement-Advanced (COA-A)

Automotive Engine Performance

Program Description

This Certificate of Achievement-Advanced prepares students for an entry-level position in the automotive repair industry.

Program Learning Outcomes

Upon completion, students will be able to

- Diagnose basic electrical, engine performance and emissions systems
- Identify basic electrical circuits and diagnose automotive electrical circuit systems
- Apply the basic principles of physics as they work in the automotive industry

Program Requirements

Complete the following

Prerequisite: Approved Automotive Technology Course Sequence Contract. See department for an application.

Courses	Units
AUTO 53A Automotive Mechanisms	4
AUTO 53B Automotive Electromechanical Systems	2
AUTO 57A Career Research and Employment in the Automotive Industry	2
AUTO 99A Automotive Electricity, Battery and Cranking Systems	7

Courses	Units
AUTO 99B Automotive Charging, Ignition and Accessory Systems	7
AUTO 99C Introduction to Engine Performance Systems	7
AUTO 99D Intermediate Engine Performance Systems	7
AUTO 99E Basic Engine Performance Diagnostic Procedures	7
AUTO 99F Intermediate Engine Performance Diagnostic Procedures	7

Total Units Required: 50

Certificate of Achievement-Advanced (COA-A)

Automotive Machining and Engine Repair

Program Description

This Certificate of Achievement-Advanced prepares students for an entry-level position in the automotive repair industry in engine diagnostics.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate an application of four-stroke engine theory, basic safe machining practices, estimates and repair orders and engine assembly
- Identify basic electrical circuits and diagnose automotive electrical circuit systems
- Apply the basic principles of physics as they work in the automotive industry
- Demonstrate knowledge of the job procurement process and hazardous materials handling in the automotive industry

Program Requirements

Complete the following

Prerequisite: Approved Automotive Technology Course Sequence Contract. See department for an application.

Courses	Units
AUTO 53A Automotive Mechanisms	4
AUTO 53B Automotive Electromechanical Systems	2
AUTO 57A Career Research and Employment in the Automotive Industry	2
AUTO 94A Principles of Four Stroke Cycle Gas and Diesel Engines	6
AUTO 94B Automotive Machining and Engine Service	6
AUTO 94C Automotive Machining and Engine Service	6
AUTO 94D Automotive Machining and Engine Service	6
AUTO 94E Automotive Machining and Engine Service	6
AUTO 94F Automotive Machining and Engine Service	6

Total Units Required: 44

Certificate of Achievement-Advanced (COA-A)

Automotive Machining and Engine Repair Technology

Program Description

This Certificate of Achievement-Advanced prepares students with advanced skills for an entry-level position in automotive engine diagnostics.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate an understanding of four-stroke engine theory, basic safe machining practices, estimates and repair orders, and engine assembly
- Identify the basic electrical circuits and diagnose automotive electrical systems
- Apply the basic principles of physics as they work in the automotive industry

Program Requirements

Complete the following

Courses	Units
AUTO 53A Automotive Mechanisms	4
AUTO 60 Automotive Electrical Systems	9
AUTO 60A Electrical Schematic Diagnosis	4.5
AUTO 60B Automotive Electronics	4.5
AUTO 60C Automotive Ignition, Fuel and Emission Systems	9

Courses	Units
AUTO 64 Automotive Machining and Engine Repair	9
AUTO 64HP High Performance Engine Preparation	9

Total Units Required: 49

Certificate of Achievement-Advanced (COA-A)

Automotive Powertrain Technology

Program Description

This Certificate of Achievement-Advanced prepares students with advanced skills for an entry-level position in automotive transmission and differential repair.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate knowledge of the overall operation of an automotive transmission and differential
- Identify the basic electrical circuits and diagnose automotive electrical systems
- Apply the basic principles of physics as they work in the automotive industry

Program Requirements

Complete the following

Courses	Units
AUTO 53A Automotive Mechanisms	4
AUTO 60 Automotive Electrical Systems	9
AUTO 60A Electrical Schematic Diagnosis	4.5
AUTO 60B Automotive Electronics	4.5
AUTO 63 Automatic Transmissions and Transaxles	9
AUTO 63A Advanced Manual Drive Train	9
AUTO 63D Transmission Diagnostic and Repair Techniques	4.5

Total Units Required: 44.5

Associate in Science (A.S.) Degree

Advanced Engine Performance Technology

Program Description

This A.S. degree prepares students with advanced skills for an entry-level position in the automotive repair industry utilizing appropriate diagnostic equipment, documentation and troubleshooting principles on various automotive systems.

Program Learning Outcomes

Upon completion, students will be able to

- Identify the basic electrical circuits and diagnose automotive electrical systems
- Apply the basic principles of physics as they work in the automotive industry
- Interpret and analyze automotive ignition, fuel and ignition systems
- Utilize appropriate diagnostic equipment, documentation and troubleshooting principles on various automotive systems

Program Requirements

Complete the following

Courses	Units
AUTO 53A Automotive Mechanisms	4
AUTO 60 Automotive Electrical Systems	9
AUTO 60A Electrical Schematic Diagnosis	4.5
AUTO 60B Automotive Electronics	4.5
AUTO 60C Automotive Ignition, Fuel and Emission Systems	9
AUTO 60D Ignition Analysis and Oscilloscope Diagnosis	4.5
AUTO 60E Automotive Fuel Injection	4.5
AUTO 60F No-Start Diagnosis	4.5
AUTO 60G Advanced Scan Tool Diagnosis	4.5
AUTO 60H Advanced Drivability and Onboard Diagnostics	4.5
AUTO 60J Advanced Lab Scope and Waveform Diagnosis	4.5

Major Units Required	58
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE

	units total is less than 90 units

Total Units Required **90**

Associate in Science (A.S.) Degree

Automotive Chassis Technology

Program Description

This A.S. degree prepares students with advanced skills for an entry-level position in the automotive repair industry in undercar inspection and repair procedures.

Program Learning Outcomes

Upon completion, students will be able to

- Perform undercar inspections and repair suspension, hydraulic and active braking systems
- Diagnose vehicle alignment concerns
- Identify the basic electrical circuits and diagnose automotive electrical systems
- Apply the basic principles of physics as they work in the automotive industry

Program Requirements

Complete the following

Courses	Units
AUTO 53A Automotive Mechanisms	4
AUTO 60 Automotive Electrical Systems	9
AUTO 60A Electrical Schematic Diagnosis	4.5
AUTO 60B Automotive Electronics	4.5
AUTO 61A Automotive Brake Systems	4.5
AUTO 61B Electronically Controlled Brake Systems	4.5
AUTO 62A Automotive Suspension, Steering and Alignment	9
AUTO 62B Advanced Wheel Alignment	9

Major Units Required	49
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE

	units total is less than 90 units

Total Units Required **90**

Associate in Science (A.S.) Degree

Automotive Chassis and Powertrain

Program Description

This A.S. degree prepares students for an entry-level position in the automotive repair industry.

Program Learning Outcomes

Upon completion, students will be able to

- Perform undercar inspections and repair suspension, steering, hydraulic and active braking systems
- Demonstrate overall operation of an automotive transmission and differential as it relates to service, diagnosis and repair
- Identify basic electrical circuits and diagnose automotive electrical circuit systems
- Apply the basic principles of physics as they work in the automotive industry
- Use written and oral communication skills to write repair orders and speak with customers

Program Requirements

Complete the following

Courses	Units
AUTO 53A Automotive Mechanisms	4
AUTO 53B Automotive Electromechanical Systems	2
AUTO 57A Career Research and Employment in the Automotive Industry	2
AUTO 91A Automotive Brake Systems	6
AUTO 92A Automotive Steering and Suspension	6
AUTO 92B Automotive Alignment	6
AUTO 93A Automotive Final Drive Train	6
AUTO 93B Standard Transaxles	2
AUTO 93C Automatic Transmissions	6
AUTO 93D Automatic Transaxles	2
AUTO 93E Diagnostic Techniques	1.5

Courses	Units
AUTO 93F Automotive Transmission Service	6

Major Units Required	49.5
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units

Total Units Required 90

Recommended: One year of automotive educational experience (high school, ROP or De Anza's AUTO 50 series).

Associate in Science (A.S.) Degree
Automotive Engine Performance

Program Description

This A.S. degree prepares students for an entry-level position in the automotive repair industry.

Program Learning Outcomes

Upon completion, students will be able to

- Diagnose basic electrical, engine performance and emissions systems
- Identify basic electrical circuits and diagnose automotive electrical circuit systems
- Apply the basic principles of physics as they work in the automotive industry

Program Requirements

Complete the following

Prerequisite: Approved Automotive Technology Course Sequence Contract. See department for an application.

Courses	Units
AUTO 53A Automotive Mechanisms	4
AUTO 53B Automotive Electromechanical Systems	2
AUTO 57A Career Research and Employment in the Automotive Industry	2
AUTO 99A Automotive Electricity, Battery and Cranking Systems	7
AUTO 99B Automotive Charging, Ignition and Accessory Systems	7
AUTO 99C Introduction to Engine Performance Systems	7
AUTO 99D Intermediate Engine Performance Systems	7
AUTO 99E Basic Engine Performance Diagnostic Procedures	7
AUTO 99F Intermediate Engine Performance Diagnostic Procedures	7

Major Units Required	50
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units

Total Units Required 90

Recommended One year of automotive educational experience (high school, ROP or De Anza's AUTO 50 series).

Associate in Science (A.S.) Degree
Automotive Machining and Engine Repair

Program Description

This A.S. degree prepares students for an entry-level position in the automotive repair industry in engine diagnostics.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate an application of four-stroke engine theory, basic safe machining practices, estimates and repair orders and engine assembly
- Identify basic electrical circuits and diagnose automotive electrical circuit systems
- Apply the basic principles of physics as they work in the automotive industry

- Demonstrate knowledge of the job procurement process and hazardous materials handling in the automotive industry

Program Requirements

Complete the following

Prerequisite: Approved Automotive Technology Course Sequence Contract. See department for an application.

Courses	Units
AUTO 53A Automotive Mechanisms	4
AUTO 53B Automotive Electromechanical Systems	2
AUTO 57A Career Research and Employment in the Automotive Industry	2
AUTO 94A Principles of Four Stroke Cycle Gas and Diesel Engines	6
AUTO 94B Automotive Machining and Engine Service	6
AUTO 94C Automotive Machining and Engine Service	6
AUTO 94D Automotive Machining and Engine Service	6
AUTO 94E Automotive Machining and Engine Service	6
AUTO 94F Automotive Machining and Engine Service	6

Major Units Required	44
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Recommended One year of automotive educational experience (high school, ROP or De Anza's AUTO 50 series).

Associate in Science (A.S.) Degree
Automotive Machining and Engine Repair Technology

Program Description

This A.S. degree prepares students with advanced skills for an entry-level position in automotive engine diagnostics.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate an understanding of four-stroke engine theory, basic safe machining practices, estimates and repair orders, and engine assembly
- Identify the basic electrical circuits and diagnose automotive electrical systems
- Apply the basic principles of physics as they work in the automotive industry

Program Requirements

Complete the following

Courses	Units
AUTO 53A Automotive Mechanisms	4
AUTO 60 Automotive Electrical Systems	9
AUTO 60A Electrical Schematic Diagnosis	4.5
AUTO 60B Automotive Electronics	4.5
AUTO 60C Automotive Ignition, Fuel and Emission Systems	9
AUTO 64 Automotive Machining and Engine Repair	9
AUTO 64HP High Performance Engine Preparation	9

Major Units Required	49
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Science (A.S.) Degree
Automotive Powertrain Technology

Program Description

This A.S. degree prepares students with advanced skills for an entry-level position in automotive transmission and differential

repair.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate knowledge of the overall operation of an automotive transmission and differential
- Identify the basic electrical circuits and diagnose automotive electrical systems
- Apply the basic principles of physics as they work in the automotive industry

Program Requirements

Complete the following

Courses	Units
AUTO 53A Automotive Mechanisms	4
AUTO 60 Automotive Electrical Systems	9
AUTO 60A Electrical Schematic Diagnosis	4.5
AUTO 60B Automotive Electronics	4.5
AUTO 63 Automatic Transmissions and Transaxles	9
AUTO 63A Advanced Manual Drive Train	9
AUTO 63D Transmission Diagnostic and Repair Techniques	4.5

Major Units Required	44.5
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Science (A.S.) Degree
Biological Sciences

Program Description

The purpose of the Biological Sciences A.S. degree is to provide a lower-division science foundation for those interested in pursuing a bachelor's degree in Biology or Biological Sciences. This major prepares students for transfer to any University of California or California State University campus. A major in Biological Sciences prepares students for advanced academic work and for careers in civil service, industry or teaching. It also provides a background for professional training in such fields as biotechnology, public health, nutrition, laboratory and field research, medicine, dentistry, pharmacy and veterinary medicine.

Program Learning Outcomes

Upon completion, students will be able to

- Design and complete a biological research project applying scientific methods
- Correlate structure and function in biological systems

Program Requirements

Complete the following

Courses	Units
BIOL 6A Form and Function in the Biological World or BIOL 6AH Form and Function in the Biological World - HONORS	6
BIOL 6B Cell and Molecular Biology	6
BIOL 6C Ecology and Evolution or BIOL 6CH Ecology and Evolution - HONORS	6
CHEM 1A General Chemistry or CHEM 1AH General Chemistry - HONORS	5
CHEM 1B General Chemistry or CHEM 1BH General Chemistry - HONORS	5
CHEM 1C General Chemistry and Qualitative Analysis or CHEM 1CH General Chemistry and Qualitative Analysis - HONORS	5

Complete one option (15-18 Units)

Option 1: Organic Chemistry

Courses	Units
CHEM 12A Organic Chemistry	5
CHEM 12B Organic Chemistry	5
CHEM 12C Organic Chemistry	5

Option 2: Physics - General

Courses	Units
PHYS 2A General Introductory Physics	5
PHYS 2B General Introductory Physics	5
PHYS 2C General Introductory Physics	5

Option 3: Physics - Engineers

Courses	Units

Courses	Units
PHYS 4A Physics for Scientists and Engineers: Mechanics	6
PHYS 4B Physics for Scientists and Engineers: Electricity and Magnetism	6
PHYS 4C Physics for Scientists and Engineers: Fluids, Waves, Optics and Thermodynamics	6

Major Units Required	48-51
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

For students planning to transfer to a four-year institution, it may be beneficial to complete both the Organic Chemistry option and either Physics option. Course sequences in chemistry and physics are required in most B.S. Biology programs. For your specific transfer situation, please consult with your counselor and the four-year institution.

Recommended elective courses:

- *BIOL 13, 15, 26, 40A, 40B, 40C*
- *ES 1*
- *ESCI 19*
- *MATH 1A, 1AH, 1B, 1BH, 1C, 1CH, 1D, 1DH, 10, 10H*

Associate in Science for Transfer (A.S.-T.) Degree

Associate in Science in Biology for Transfer

Program Description

The Biology major consists of courses appropriate for an Associate in Science in Biology for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline, and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Science in Biology for Transfer is intended for students who plan to complete a bachelor's degree in Biology (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Use the scientific process to formulate questions, design experiments to test hypotheses, interpret experimental results to draw conclusions, communicate results both orally and in writing, and critically evaluate the use of the scientific method from published sources
- Apply evolutionary theory at the molecular, cellular, organismal and population levels to explain the unity and diversity of living things

Program Requirements

Complete the following required core courses (18 Units)

Courses	Units
BIOL 6A Form and Function in the Biological World or BIOL 6AH Form and Function in the Biological World - HONORS	6
BIOL 6B Cell and Molecular Biology	6
BIOL 6C Ecology and Evolution or BIOL 6CH Ecology and Evolution - HONORS	6

List A - Complete five courses (25 Units)

Courses	Units
CHEM 1A General Chemistry or CHEM 1AH General Chemistry - HONORS	5
CHEM 1B General Chemistry or CHEM 1BH General Chemistry - HONORS	5
CHEM 1C General Chemistry and Qualitative Analysis or CHEM 1CH General Chemistry and Qualitative Analysis - HONORS	5
MATH 1A Calculus or MATH 1AH Calculus - HONORS	5
MATH 1B Calculus or MATH 1BH Calculus - HONORS	5

Complete one option (12-15 Units)

Option 1

Courses	Units
PHYS 2A General Introductory Physics	5

Courses	Units
PHYS 2B General Introductory Physics	5
PHYS 2C General Introductory Physics	5

Option 2

Courses	Units
PHYS 4A Physics for Scientists and Engineers: Mechanics	6
PHYS 4B Physics for Scientists and Engineers: Electricity and Magnetism	6

Major Units Required	55-58
Transfer General Education Units Required	43-54 IGETC for STEM
Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units
Total Units Required	**90**

Certificate of Achievement (COA)
Business Administration

Program Description

The Business Administration Certificate of Achievement introduces the fundamental concepts and practices of business. Students obtain a basic understanding of the operation, methods and purpose of each of the major functional areas within business: management, human resources, operations, marketing, accounting and finance. Students also learn business law fundamentals.

Program Learning Outcomes

Upon completion, students will be able to

- Distinguish and explain the primary functions within business such as management, human resources, business law, operations, marketing, accounting and finance

Program Requirements

The Certificate of Achievement in Business Administration can be earned by taking all required courses online. Some online courses may require on-campus participation in meetings, class events or exams, as detailed in the quarterly class listings.

Complete the following

Courses	Units
ACCT 1A Financial Accounting I or ACCT 1AH Financial Accounting I - HONORS	5
BUS 10 Introduction to Business	5
BUS 18 Business Law I	5

Complete two courses (8-10 Units)

Courses	Units
BUS 21 Business and Society	5
BUS 54 Business Mathematics	5
BUS 55 Introduction to Entrepreneurship	5
BUS 56 Human Relations in the Workplace	5
BUS 57 Human Resource Management	5
BUS 58 The Business Plan	4
BUS 60 International Business Management	5
BUS 65 Leadership	5
BUS 70 Principles of E-Commerce	5
BUS 87 Introduction to Selling	4
BUS 89 Advertising	5
BUS 90 Principles of Marketing	5
BUS 94 Social Media Marketing Strategies	5
BUS 96 Principles of Management	5
CIS 3 Business Information Systems	4.5

Total Units Required: 23-25

Certificate of Achievement (COA)
Business Information Worker

Program Description

The Business Information Worker (BIW) Certificate of Achievement is designed to prepare students for entry-level office and administrative support in a variety of job positions, including general office clerks, retail salespersons, customer service representatives, receptionists and information clerks.

Program Learning Outcomes

Upon completion, students will be able to

- Use computer input devices to properly and efficiently create and edit documents in word processing and

spreadsheet programs, and in electronic communications systems such as email
- Work effectively, respectfully, ethically and professionally with people of diverse ethnic and cultural backgrounds, and diverse social affiliations and personalities, filling a variety of organizational roles
- Communicate effectively and professionally in business situations through writing, speaking and electronic media

Program Requirements

The Certificate of Achievement in Business Information Worker can be earned by taking all required courses online. Some online courses may require on-campus participation in meetings, class events or exams, as detailed in the quarterly class listings.

Complete the following

Courses	Units
BUS 54 Business Mathematics	5
BUS 56 Human Relations in the Workplace	5
BUS 85 Business Communication	3
CIS 3 Business Information Systems	4.5
CIS 4 Computer Literacy	4.5
CIS 99 Office Software Applications	4.5

Total Units Required: 26.5

Certificate of Achievement (COA)
Entrepreneurship

Program Description

Students pursuing the Certificate of Achievement in Entrepreneurship are taught the fundamentals of small business administration and business planning. The certificate is designed to prepare students for the challenges they are likely to encounter in starting and maintaining a small business.

Program Learning Outcomes

Upon completion, students will be able to

- Critically evaluate business plans and describe the processes required to start, operate and measure the results of a small business

Program Requirements

The Certificate of Achievement in Entrepreneurship can be earned by taking all required courses online. Some online courses may require on-campus participation in meetings, class events or exams, as detailed in the quarterly class listings.

Complete the following

Courses	Units
BUS 55 Introduction to Entrepreneurship	5
BUS 58 The Business Plan	4

Complete three courses (15 Units)

Courses	Units
BUS 60 International Business Management	5
BUS 65 Leadership	5
BUS 70 Principles of E-Commerce	5
BUS 90 Principles of Marketing	5
BUS 94 Social Media Marketing Strategies	5

Total Units Required: 24

Certificate of Achievement (COA)
Management

Program Description

In the Certificate of Achievement in Management, students learn the fundamentals of general business administration, management, human resources and leadership, among other areas of study. Students develop practical knowledge and skills for formal management roles or other positions of influence. Successful students will also be prepared for higher-level job responsibilities and be able to communicate more effectively. De Anza College's Management program is built on the ladder concept, whereby students can complete a Certificate of Achievement on their way to the A.A. degree.

Program Learning Outcomes

Upon completion, students will be able to

- Identify management issues and apply solutions and leadership styles

Program Requirements

Complete the following

Courses	Units
BUS 10 Introduction to Business	5

Courses	Units
BUS 57 Human Resource Management	5
BUS 65 Leadership	5
BUS 96 Principles of Management	5

Complete one course (5 Units)

Courses	Units
BUS 18 Business Law I	5
BUS 50 Nonprofit Corporations	5
BUS 55 Introduction to Entrepreneurship	5
BUS 56 Human Relations in the Workplace	5
BUS 60 International Business Management	5

Total Units Required: 25

Certificate of Achievement (COA)
Management Information Systems Support

Program Description

The Certificate of Achievement in MIS Support prepares students for employment within business as an MIS Support Specialist. Students will be introduced to the primary functions of a business, professional conduct, and concepts in software programming, business information systems and computer support. The courses incorporated in this certificate program are also transferrable toward a Bachelor of Science degree in Business Administration, with a concentration in Management Information Systems.

Program Learning Outcomes

Upon completion, students will be able to

- Communicate effectively with business professionals, understand fundamental programming concepts, and track computer systems problems related to a variety of technical areas, such as software applications, database management systems, web sites and comput

Program Requirements

The Certificate of Achievement in Management Information Systems Support can be earned by taking all required courses online. Some online courses may require on-campus participation in meetings, class events or exams, as detailed in the quarterly class listings.

Complete the following

Courses	Units
BUS 10 Introduction to Business	5
BUS 56 Human Relations in the Workplace	5
CIS 3 Business Information Systems	4.5

Complete one course (4.5 Units)

Courses	Units
CIS 36A Introduction to Computer Programming Using Java	4.5
CIS 40 Introduction to Programming in Python	4.5

Complete one course (4.5-5 Units)

Courses	Units
BUS 70 Principles of E-Commerce	5
BUS 94 Social Media Marketing Strategies	5
CIS 44A Database Management Systems	4.5
CIS 108 Personal Computer Security Basics	4.5

Total Units Required: 23.5-24

Certificate of Achievement (COA)
Marketing Management

Program Description

Students learn the fundamentals of general business administration, marketing, selling, advertising and other related functions. They also prepare for a wide variety of marketing-related careers. The Marketing Management program is built on the ladder concept, whereby students can complete a Certificate of Achievement on their way to the A.A. degree.

Program Learning Outcomes

Upon completion, students will be able to

- Identify and distinguish the elements of the marketing mix for an organization in a given business environment

Program Requirements

Complete the following

Courses	Units
BUS 10 Introduction to Business	5

Courses	Units
BUS 90 Principles of Marketing	5

Complete three courses (14-15 Units)

Courses	Units
BUS 56 Human Relations in the Workplace	5
BUS 60 International Business Management	5
BUS 65 Leadership	5
BUS 70 Principles of E-Commerce	5
BUS 73 International Marketing	5
BUS 87 Introduction to Selling	4
BUS 89 Advertising	5
BUS 94 Social Media Marketing Strategies	5
BUS 96 Principles of Management	5

Total Units Required: 24-25

Associate in Arts (A.A.) Degree
Business Administration

Program Description

The A.A. degree in Business Administration is a general business degree for those who want to pursue any of the numerous career possibilities in the field of business such as customer service/support representative, warehouse/distribution supervisor, payroll clerk/administrator, accounts receivable clerk, collections analyst, executive assistant or contracts administrator. This degree provides students with an understanding of basic business practices, including operations, methods and purpose, and an introduction to the major functional areas within business.

Program Learning Outcomes

Upon completion, students will be able to

- Explain the interactions among the primary functions within business (such as marketing, management, operations, human resources, accounting, finance and business law) to achieve organizational goals

Program Requirements

Complete the following

Courses	Units
ACCT 1A Financial Accounting I or ACCT 1AH Financial Accounting I - HONORS	5
ACCT 1B Financial Accounting II or ACCT 1BH Financial Accounting II - HONORS	5
ACCT 1C Managerial Accounting or ACCT 1CH Managerial Accounting - HONORS	5
BUS 10 Introduction to Business	5
BUS 18 Business Law I	5
BUS 56 Human Relations in the Workplace	5
BUS 60 International Business Management	5
BUS 90 Principles of Marketing	5
BUS 96 Principles of Management	5
CIS 3 Business Information Systems	4.5

Recommended

- *BUS 21, 54, 55, 57, 58, 65, 70, 85, 87, 89, 91, 94*
- *COMM 70, 70H*
- *ECON 1, 1H, 2, 2H*
- *ESL 6*
- *EWRT 1B, 1BH, 2, 2H*
- *MATH 10, 10H*

Major Units Required	49.5
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts (A.A.) Degree
Management

Program Description

The A.A. degree in Management prepares students for a career managing and leading employees in positions such as service manager, retail sales manager, customer service supervisor, office manager, human resources coordinator, employee benefits associate, construction project manager, hotel or hospitality supervisor or management trainee. Students learn the fundamentals of general business administration, with an emphasis on management, leadership and human resource management.

Program Learning Outcomes

Upon completion, students will be able to

- Analyze management issues, develop solutions and compare leadership styles for a given organizational environment

Program Requirements

Complete the following

Courses	Units
BUS 10 Introduction to Business	5
BUS 18 Business Law I	5
BUS 21 Business and Society	5
BUS 56 Human Relations in the Workplace	5
BUS 57 Human Resource Management	5
BUS 60 International Business Management	5
BUS 65 Leadership	5
BUS 96 Principles of Management	5

Complete a minimum of 14 units

Courses	Units
ACCT 1A Financial Accounting I or ACCT 1AH Financial Accounting I - HONORS	5
BUS 50 Nonprofit Corporations	5
BUS 54 Business Mathematics	5
BUS 55 Introduction to Entrepreneurship	5
BUS 58 The Business Plan	4
BUS 70 Principles of E-Commerce	5
BUS 87 Introduction to Selling	4
BUS 90 Principles of Marketing	5
COMM 70 Organizational Communication or COMM 70H Organizational Communication - HONORS	5
ECON 1 Principles of Macroeconomics or ECON 1H Principles of Macroeconomics - HONORS	4

Major Units Required	54
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts (A.A.) Degree
Marketing Management

Program Description

Students pursuing an A.A. degree in Marketing Management prepare for a wide variety of marketing-related careers such as marketing events coordinator, retail sales manager, marketing communications associate, inside sales representative, sales specialist or coordinator and sales support specialist. Students learn the fundamentals of general business administration with an emphasis on marketing, advertising, selling, international business and management.

Program Learning Outcomes

Upon completion, students will be able to

- Develop an appropriate marketing plan for an organization in a given business environment

Program Requirements

Complete the following

Courses	Units
ACCT 1A Financial Accounting I or ACCT 1AH Financial Accounting I - HONORS	5
BUS 10 Introduction to Business	5
BUS 18 Business Law I	5
BUS 54 Business Mathematics	5
BUS 73 International Marketing	5
BUS 87 Introduction to Selling	4
BUS 89 Advertising	5
BUS 90 Principles of Marketing	5
BUS 96 Principles of Management	5

Complete a minimum of nine units (9 Units)

Courses	Units
BUS 21 Business and Society	5
BUS 56 Human Relations in the Workplace	5
BUS 57 Human Resource Management	5

Courses	Units
BUS 65 Leadership	5
BUS 70 Principles of E-Commerce	5
BUS 85 Business Communication	3
BUS 94 Social Media Marketing Strategies	5
COMM 70 Organizational Communication or COMM 70H Organizational Communication - HONORS	5

Major Units Required	53
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Science for Transfer (A.S.-T.) Degree

Associate in Science in Business Administration for Transfer 2.0

Program Description

The Business Administration major consists of courses appropriate for an Associate in Science in Business Administration for Transfer 2.0 degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). Potential careers students may enter upon completion of this program include: payroll administrator, warehouse associate, accounts receivable administrator, accounts payable administrator, retail sales, customer service, executive assistant or contracts administrator. The Associate in Science in Business Administration for Transfer 2.0 is intended for students who plan to complete a bachelor's degree in Business Administration (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements. Important information: See deanza.edu/articulation/business-ast.html for details on catalog rights and transfer advising for students who are completing or have completed version 1.0 of the Business Administration A.S.-T. degree.

Program Learning Outcomes

Upon completion, students will be able to

- Explain the interactions among the primary functions within business (such as marketing, management, operations, human resources, accounting, finance and business law) to achieve organizational goals

Program Requirements

Complete the following required core (38 Units)

It is highly recommended that students take BUS 10 before other major requirements.

Courses	Units
ACCT 1B Financial Accounting II or ACCT 1BH Financial Accounting II - HONOR	5
ACCT 1C Managerial Accounting or ACCT 1CH Managerial Accounting - HONORS	5
BUS 10 Introduction to Business	5
BUS 18 Business Law I	5
ECON 1 Principles of Macroeconomics or ECON 1H Principles of Macroeconomics - HONORS	4
ECON 2 Principles of Microeconomics or ECON 2H Principles of Microeconomics - HONORS	4
MATH 10 Introductory Statistics or MATH 10H Introductory Statistics - HONORS	5
MATH 11 Finite Mathematics or MATH 11H Finite Mathematics - HONORS or MATH 1A Calculus or MATH 1AH Calculus - HONORS or MATH 12 Introductory Calculus for Business and Social Science	5

Major Units Required	38
Transfer General Education Units Required	51-62 CSU GE or (IGETC for CSU)
Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90
Total Units Required	**90**

Skills Certificate

Trauma Informed Care

Program Description

Skills Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. De Anza College's Child Development and Education developed the Trauma Informed Care Skills Certificate to train early childhood practitioners working in early education and in Family, Friends and Neighbors programs. Certificate requirements include student participation in field experiences with community based programs. Students develop skills to work with both children and families who have experienced trauma. The Skills Certificate is designed to meet Child Development course requirements for a Child Development Master Teacher as specialization units. The Child Development Master Teacher permit requires 36 quarter units (equivalent to 24 semester units) in Early Childhood Education/Child Development including core courses. The certificate is also aligned with the Infant-Family and Early Childhood Mental Health professional endorsement: Reflective Practice Facilitator I and Transdisciplinary Infant-Family and Early Childhood Mental Health Practitioner.

Program Learning Outcomes

Upon completion, students will be able to

- Increase knowledge of trauma in Early Childhood Education, understand the key universal trauma-informed strategies and apply strategies in a wide range of early childhood settings

Program Requirements

Complete the following

Courses	Units
CD 10G Child Development (The Early Years) also listed as PSYC 10G	4
CD 75 Social Emotional Development in Early Childhood	3
CD 76 Trauma and Early Childhood Development	4.5
CD 79 Implementation of Trauma Informed Care and Field Experience	4.5

Total Units Required: 16

Certificate of Achievement (COA)
Child Development

Program Description

This vocational training program prepares future early childhood workers and educators to work with diverse children in early childhood settings. The program includes academic instruction, job skills training and field and community engagement experiences. Students acquire knowledge to integrate developmentally appropriate practices and their application to teaching young children along with skills in building relationships with children and families. This Certificate of Achievement meets entry-level professional requirements for teachers in early childhood programs and fulfills requirements to qualify as a teacher in a center licensed by the California Department of Social Services. Students who wish to qualify to become a director must also take CD 59G "Supervision and Administration of Child Development Programs (Management Systems)" and CD 59H "Supervision and Administration of Child Development Programs (Leadership Skills)." The Certificate of Achievement is designed to meet the Child Development course requirements for a Child Development Associate Teacher Permit. The permit requires 18 quarter units (equivalent to 12 semester units).

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate the ability to work in a variety of settings with children and families with a commitment to uphold ethical standards
- Recognize the importance of community engagement and their role as local, national and global advocates for children, families and the community
- Integrate developmentally appropriate practices and their application to teaching young children
- Demonstrate skills in building relationships with children and families

Program Requirements

Complete the following

Current Infant and Child CPR/First Aid Certificate required.

Courses	Units
CD 10G Child Development (The Early Years) also listed as PSYC 10G	4
CD 12 Child, Family and Community Interrelationships	4
CD 50 Principles and Practices of Teaching Young Children	4

Complete a minimum of nine units

Courses	Units
CD 10H Child Growth and Development (Middle Childhood and Adolescence) also listed as PSYC 10H	4
CD 52 Observation and Assessment of Children	4
CD 53 Creative Art for the Young Child	3
CD 54 Curriculum for Early Childhood Programs	4

Courses	Units
CD 55 Literacy Development and Activities for the Young Child	3
CD 56 Understanding and Working with English Learners	3
CD 58 Infant/Toddler Development	5
CD 61 Music and Movement (Developmental Foundations)	3
CD 63 Math and Science Activities for the Young Child	3
CD 64 Health, Safety, and Nutrition for the Young Child	4
CD 68 Teaching in a Diverse Society	4
CD 71 Constructive Guidance and Positive Discipline in Early Childhood	3
CD 72 Partnerships with Families in Early Childhood Education	3

Practicum Requirement - complete one course: (5 Units)

Courses	Units
CD 51A Basic Student Teaching Practicum	5
CD 57 Self-Assessment for Teachers of Young Children Using Reflective Practice: Field Experience	4

Certificate of Achievement (COA)
Early Childhood Mental Health

Program Description

De Anza College's Child Development and Education Department developed the Early Childhood Mental Health Certificate of Achievement to train mental health professionals at the entry and advanced level, ECE educators at the beginning and advanced level, and professionals working in early education, mental health and community services settings or programs. Certificate requirements include student participation in field experiences with community-based, early childhood mental health programs. Students develop skills to work with both children and their families. The Certificate of Achievement is designed to meet Child Development course requirements for a Child Development Master Teacher level as specialization units. The Child Development Master Teacher permit requires 36 quarter units (equivalent to 24 semester units) ECE/CD including core courses. The permit also requires 24 quarter units (equivalent to 16 semester units) of General Education courses plus 3 quarter units (equivalent to 2 semester units) of adult supervision.

Program Learning Outcomes

Upon completion, students will be able to

- Recognize the importance of community engagement and their role as local, national and global advocates for children, families and the community
- Integrate early childhood mental health practices to support the development of social and emotional skills in young children
- Demonstrate skills in building relationships with children and families

Program Requirements

Complete the following

Courses	Units
CD 10G Child Development (The Early Years) also listed as PSYC 10G	4
CD 58 Infant/Toddler Development	5
CD 72 Partnerships with Families in Early Childhood Education	3
CD 73 Early Childhood Mental Health	3
CD 74 Early Childhood Mental Health Seminar and Fieldwork	3
CD 75 Social Emotional Development in Early Childhood	3

Total Units Required: 21

Certificate of Achievement-Advanced (COA-A)
Child Development

Program Description

This vocational training program prepares future early childhood workers and educators to work with diverse children in early childhood settings. The program includes academic instruction, job skills training, field experiences and civic and community engagement skills. Students learn to integrate developmentally appropriate practices and apply them to curriculum design for teaching young children. They also learn how to build culturally responsive partnerships with children and families. The Certificate of Achievement-Advanced is designed to meet the Child Development course requirements for a Child Development Teacher Permit. The permit also requires 24 quarter units (equivalent of 16 semester units) of General Education courses.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate the ability to work in a variety of settings with children and families with a commitment to uphold ethical standards

- Recognize the importance of community engagement and their role as local, national and global advocates for children, families and the community
- Integrate developmentally appropriate practices and apply them to curriculum design for teaching young children
- Demonstrate skills in building culturally responsive partnerships with children and families

Program Requirements

Complete the following

Current Infant and Child CPR/First Aid Certificate required.

Courses	Units
CD 10G Child Development (The Early Years) also listed as PSYC 10G	4
CD 10H Child Growth and Development (Middle Childhood and Adolescence) also listed as PSYC 10H	4
CD 12 Child, Family and Community Interrelationships	4
CD 50 Principles and Practices of Teaching Young Children	4
CD 52 Observation and Assessment of Children	4
CD 54 Curriculum for Early Childhood Programs	4
CD 64 Health, Safety, and Nutrition for the Young Child	4
CD 68 Teaching in a Diverse Society	4

Complete a minimum of three units

Courses	Units
CD 53 Creative Art for the Young Child	3
CD 55 Literacy Development and Activities for the Young Child	3
CD 56 Understanding and Working with English Learners	3
CD 57 Self-Assessment for Teachers of Young Children Using Reflective Practice: Field Experience	5
CD 58 Infant/Toddler Development	5
CD 59G Supervision and Administration of Child Development Programs (Management Systems)	4
CD 59H Supervision and Administration of Child Development Programs (Leadership Skills)	4
CD 60 Introduction to Children with Special Needs	3
CD 61 Music and Movement (Developmental Foundations)	3
CD 63 Math and Science Activities for the Young Child	3
CD 67 Supervision and Administration of Child Development Programs (Adult Supervision)	3
CD 71 Constructive Guidance and Positive Discipline in Early Childhood	3
EDUC 1 Introduction to Elementary Education in a Diverse Society	3

Practicum Requirement (5 Units)

Courses	Units
CD 51A Basic Student Teaching Practicum	5

Total Units Required: 40

Certificate of Achievement-Advanced (COA-A)

Early Intervention/Special Education Assistant

Program Description

This vocational training program prepares future early childhood workers and educators to work with children with disabilities and special needs in public and private early intervention, special education and educational settings that serve typical and atypical developing young children and their families. Students are taught practical skills in early intervention and early childhood special education from a culturally responsive perspective. Students learn to integrate early intervention/special education practices and apply them to teaching young children with special needs. Certificate requirements include student participation in field experiences with community-based, inclusive educational programs. The Certificate of Achievement-Advancement prepares students for two career paths: early intervention assistant and early childhood teacher. It is the equivalent of the Teacher level permit on the California Child Development Matrix. The Teacher level permit also requires 24 quarter units (equivalent of 16 semester units) of General Education courses.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate the ability to work in a variety of settings with children and families with a commitment to uphold ethical standards
- Recognize the importance of community engagement and their role as local, national and global advocates for children, families and the community

- Integrate early intervention/special education practices and their application to teaching young children with special needs
- Demonstrate skills in building relationships with children and families

Program Requirements

Complete the following

Current Infant and Child CPR/First Aid Certificate required.

Courses	Units
CD 10G Child Development (The Early Years) 4 also listed as PSYC 10G	4
CD 12 Child, Family and Community Interrelationships	4
CD 50 Principles and Practices of Teaching Young Children	4
CD 52 Observation and Assessment of Children	4
CD 55 Literacy Development and Activities for the Young Child	3
CD 58 Infant/Toddler Development	5
CD 60 Introduction to Children with Special Needs	3
CD 64 Health, Safety, and Nutrition for the Young Child	4
CD 73 Early Childhood Mental Health	3
CD 90 Facilitating Inclusion in Early Childhood Programs: Intervention Strategies	3

Complete a minimum of three units

Courses	Units
CD 10H Child Growth and Development (Middle Childhood and Adolescence) also listed as PSYC 10H	4
CD 53 Creative Art for the Young ChilD	3
CD 54 Curriculum for Early Childhood Programs	4
CD 56 Understanding and Working with English Learners	3
CD 57 Self-Assessment for Teachers of Young Children Using Reflective Practice: Field Experience	5
CD 61 Music and Movement (Developmental Foundations)	3
CD 63 Math and Science Activities for the Young Child	3
CD 68 Teaching in a Diverse Society	4
CD 71 Constructive Guidance and Positive Discipline in Early Childhood	3
CD 75 Social Emotional Development in Early Childhood	3

Practicum Requirement (5 Units)

The practicum experience must be completed in an Early Intervention/Special Education Environment with an inclusion component or an inclusion environment.

Courses	Units
CD 51A Basic Student Teaching Practicum 5	45

Total Units Required: 45

Associate in Arts (A.A.) Degree
Child Development

Program Description

The A.A. degree vocational training program prepares future early childhood workers and educators to work with diverse children in early childhood settings. The program prepares students for entry-level careers or entrance into a bachelor's degree program in Child Development studies. The degree program focuses on integrating developmentally appropriate knowledge and practice, and developing professional competencies and job skills. Students learn how to build partnerships with local, national and international resource organizations in order to advocate effectively for the needs of children and families. The degree fulfills the Child Development course requirements to qualify for the Child Development Permit Site Supervisor on the California Child Development Matrix. Students who wish to qualify as a site supervisor must also take CD 59G "Supervision and Administration of Child Development Programs (Management Systems)", CD 59H "Supervision and Administration of Child Development Programs (Leadership Skills)" and CD 67 "Supervision and Administration of Child Development Programs (Adult Supervision)".

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate the ability to work in a variety of settings with children and families with a commitment to uphold ethical standards
- Build partnerships with local, national and international resource organizations in order to advocate effectively for the needs of children and families
- Integrate developmentally appropriate practices and their application to teaching young children
- Demonstrate skills in building relationships with children and families

Program Requirements

Complete the following

Current Infant and Child CPR/First Aid Certificate required.

Courses	Units
CD 10G Child Development (The Early Years) also listed as PSYC 10G	4
CD 10H Child Growth and Development (Middle Childhood and Adolescence) also listed as PSYC 10H	4
CD 12 Child, Family and Community Interrelationships	4
CD 50 Principles and Practices of Teaching Young Children	4
CD 52 Observation and Assessment of Children	4
CD 54 Curriculum for Early Childhood Programs	4
CD 55 Literacy Development and Activities for the Young Child	3
CD 64 Health, Safety, and Nutrition for the Young Child	4
CD 67 Supervision and Administration of Child Development Programs (Adult Supervision)	3
CD 68 Teaching in a Diverse Society	4

Complete a minimum of three units

Courses	Units
CD 53 Creative Art for the Young Child	3
CD 56 Understanding and Working with English Learners	3
CD 58 Infant/Toddler Development	5
CD 59G Supervision and Administration of Child Development Programs (Management Systems)	4
CD 59H Supervision and Administration of Child Development Programs (Leadership Skills)	4
CD 60 Introduction to Children with Special Needs	3
CD 61 Music and Movement (Developmental Foundations)	3
CD 63 Math and Science Activities for the Young Child	3
CD 71 Constructive Guidance and Positive Discipline in Early Childhood	3
CD 72 Partnerships with Families in Early Childhood Education	3
CD 73 Early Childhood Mental Health	3
CD 74 Early Childhood Mental Health Seminar and Fieldwork	3
CD 75 Social Emotional Development in Early Childhood	3
EDUC 1 Introduction to Elementary Education in a Diverse Society	3

Practicum Requirement (10 Units)

Courses	Units
CD 51A Basic Student Teaching Practicum or CD 57 Self-Assessment for Teachers of Young Children Using Reflective Practice: Field Experience	5
CD 51B Advanced Student Teaching Practicum	5

Major Units Required	51
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Science for Transfer (A.S.-T.) Degree

Associate in Science in Early Childhood Education for Transfer

Program Description

The Early Childhood Education major consists of courses appropriate for an Associate in Science in Early Childhood Education for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The degree will facilitate the student's successful transfer to certain CSU campuses that prepare them for advanced study in a variety of graduate programs, as well as a variety of careers such as teaching, child development specialist, program directors and child life specialists or paraprofessionals in early special education. With a B.A. in ECE/Child Development, students are eligible for the Master Teacher and Site Supervisor levels of the California Child Development Permit, using the Alternative Qualifications category. The Associate in Science in Early Childhood Education for Transfer is

intended for students who plan to complete a bachelor's degree in Early Childhood Education (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Synthesize child development research with principles and practices for early childhood teaching to create early learning environments that are respectful, supportive and challenging for all children, from infancy through adolescence
- Design inclusive, culturally and linguistically appropriate learning environments, based on child development, child observations, family information and knowledge of culturally diverse child rearing practices
- Incorporate strategies for building respectful, reciprocal family and community relationships in order to support families with their children's development and learning
- Assess children's learning through observation, documentation and interpretation, using results to guide curriculum and teaching strategies
- Recommend developmentally appropriate and culturally relevant approaches to teaching and learning that include respectful, supportive relationships with children and families, and curriculum that support foundational skills and concepts in language, math, art, and social relationships
- Demonstrate practices that maintain standards of health, nutrition and safety in group care early childhood settings
- Apply ethical standards of behavior accepted by the profession of early childhood education

Program Requirements

Complete the following required core courses (37 Units)

Courses	Units
CD 10G Child Development (The Early Years) also listed as PSYC 10G	4
CD 10H Child Growth and Development (Middle Childhood and Adolescence) also listed as PSYC 10H	4
CD 12 Child, Family and Community Interrelationships	4
CD 50* Principles and Practices of Teaching Young Children	4
CD 51A* Basic Student Teaching Practicum	5
CD 52* Observation and Assessment of Children	4
CD 54* Curriculum for Early Childhood Program	4
CD 64* Health, Safety, and Nutrition for the Young Child	4
CD 68* Teaching in a Diverse Society	4

** CD 50, 51A, 52, 54, 64 and 68 must be taken fall 2013 or later to apply.*

Major Units Required	37
Tranfer General Education Units Required	51-62 CSU GE or (IGETC for CSU)
Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts for Transfer (A.A.-T.) Degree

Associate in Arts in Social Justice Studies: General Studies for Transfer

Program Description

The Social Justice Studies major consists of courses appropriate for an Associate in Arts in Social Justice Studies: General Studies for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline, and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Arts in Social Justice Studies: General Studies for Transfer is intended for students who plan to complete a bachelor's degree in Social Justice Studies (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Analyze the roots of a wide variety of social problems
- Develop pathways to solving those problems
- Have the capacity to make a difference in addressing those problems
- Understand the career paths related to making a difference in the social world

Program Requirements

Complete the following required core courses (12 Units)

Area 1 - Complete one course (4 Units)

Courses	Units
CETH 10 Race, Ethnicity and Inequality or SOC 29 Sociology of Structural Racism in the United States	4
ICS 17 Critical Consciousness and Social Change or ICS 17H Critical Consciousness and Social Change - HONORS or ICS 19 Making a Difference: Transforming Relations of Nature, Community, and Power	4

Area 2 - Complete one course (4 Units)

Courses	Units
ICS 26 Introduction to Lesbian, Gay, Bisexual, Transgender and Queer Studies	4
SOC 28 Sociology of Gender also listed as WMST 28	4
WMST 1 Introduction to Women 2019s Studies	4

Area 3 - Complete one course below or from above (not already taken) (4 Units)

Courses	Units
AFAM 10 An Introduction to African American Studies	4
AFAM 11 Sankofa: Roots of the African American Experience	4
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
ASAM 10 Contemporary Asian American Communities	4
CETH 11 Race and Ethnicity: Belonging and Exclusion in the U.S.	4
CHLX 10 Introduction to Chicanx and Latinx Studies	4
CHLX 11 Chicanx Culture	4
GEO 10 World Regional Geography	4
ICS 7 Intercultural Communication also listed as COMM 7 or ICS 7H Intercultural Communication - HONORS also listed as COMM 7H	4
NAIS 11 Native American Contemporary Society	4
NAIS 16 California Native Americans	4
POLI 3 International Relations	4
SOC 1 Introduction to Sociology	4
SOC 20 Social Problems	4

List A - Complete four courses from at least three areas (16-17 Units)

Area 1 - History or Government

Courses	Units
AFAM 12A African American History to 1865 also listed as HIST 18A	4
AFAM 12B African American History Since 1865 also listed as HIST 18B	4
ASAM 1 Asian American Experiences Past to Present	4
CETH 29 Ethnic Studies, Cultural Pluralism and American Law and Justice also listed as ADMJ 29	4
CHLX 12 Chicanx and Latinx History	4
HIST 3C World History from 1750 CE to the Present or HIST 3CH World History from 1750 CE to the Present - HONORS	4
HIST 9 Women in American History also listed as WMST 9 or HIST 9H Women in American History - HONORS also listed as WMST 9H	4
ICS 16A History of Africa to 1800 also listed as HIST 16A	4
ICS 16B History of Africa from 1800 to the Present also listed as HIST 16B	4
ICS 37 Ancient Peoples of Mesoamerica	4
ICS 38A Colonial Latin American History also listed as HIST 7A	4
ICS 38B Modern Latin American History also listed as HIST 7B	4
NAIS 12 Ethnic Studies and the Historical Experiences of Native Americans	4
NAIS 31 Ethnic Studies: Native Hawaiian and Pacific Islander Experiences	4

Area 2 - Arts and Humanities

Courses	Units
ARTS 3TC Women and Art also listed as WMST 3C	4

Courses	Units
ASAM 20 Asian Pacific American Literature also listed as ELIT 24	4
CETH 13 History of Art (Multicultural Arts in the United States) also listed as ARTS 2F	4
CHLX 13 The Chicanx and Latinx and the Arts	4
ELIT 21 Women in Literature also listed as WMST 21	4
ICS 35 Chicano/a, Latino/a Literature	4
NAIS 13 Survey of Native American Arts	4
NAIS 14 Native American Religious Traditions	4
NAIS 15 Native American Literature	4
PHIL 49 Women and Philosophy also listed as WMST 49	4

Area 3 - Social Science

Courses	Units
CETH 50 Civic Leadership for Community Empowerment	4
ECON 3 Environmental Economics or ECON 3H Environmental Economics - HONORS	4
ICS 25 Grassroots Democracy: Race, Politics and the American Promise also listed as POLI 15	4
ICS 27 Grassroots Democracy: Leadership and Power also listed as POLI 17 or ICS 27H Grassroots Democracy: Leadership and Power - HONORS also listed as POLI 17H	4
ICS 36 Grassroots Democracy: Social Movements Since the 1960s also listed as POLI 16	4
ICS 47 Introduction to Disability Studies	4
INTL 8 Sociology of Globalization and Social Change also listed as SOC 5	4
INTL 33 Introduction to Peace and Conflict Studies	4
SOC 35 Marriage, Family, and Intimate Relationships	4
WMST 8 Women of Color in the USA also listed as CETH 8	4
WMST 12 Psychology of Gender also listed as PSYC 12	4
WMST 22 Asian American Pacific Islander Women also listed as ASAM 22	4
WMST 24 Women and Gender in Global Perspectives	4
WMST 25 Introduction to Black Feminism also listed as AFAM 25	4
WMST 26 La Mujer: Latina Life and Experience also listed as CHLX 26	4
WMST 27 Women and Gendered Violence	4
WMST 29 Masculinities in U.S. Culture and Society also listed as CETH 19	4
WMST 31 Women and Popular Culture	4

Area 4 - Quantitative Reasoning and Research Methods (only one course may be chosen in this area)

Courses	Units
MATH 10 Introductory Statistics or MATH 10H Introductory Statistics - HONORS or PSYC 15 Statistics and Research Methods in Social Science also listed as SOC 15	4-5
SOC 14 The Process of Social Research	4

Area 5 - Major Preparation (not already taken from required core)

Courses	Units
AFAM 10 An Introduction to African American Studies	4
AFAM 11 Sankofa: The Roots of the African American Experience	4
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
ASAM 10 Contemporary Asian American Communities	4
CETH 10 Race, Ethnicity and Inequality or SOC 29 Sociology of Structural Racism in the United States	4
CETH 11 Race and Ethnicity: Belonging and Exclusion in the U.S.	4
CHLX 10 Introduction to Chicanx and Latinx Studies	4
CHLX 11 Chicanx Culture	4
GEO 10 World Regional Geography	4
ICS 7 Intercultural Communication also listed as COMM 7 or ICS 7H Intercultural Communication - HONORS also listed as COMM 7H	4
ICS 17 Critical Consciousness and Social Change or ICS 17H Critical Consciousness and Social Change - HONORS or ICS 19 Making a Difference: Transforming Relations of Nature, Community, and Power	4
ICS 26 Introduction to Lesbian, Gay, Bisexual, Transgender and Queer Studies	4
NAIS 11 Native American Contemporary Society	4
NAIS 16 California Native Americans	4

Courses	Units
POLI 3 International Relations	4
SOC 1 Introduction to Sociology	4
SOC 20 Social Problems	4
SOC 28 Sociology of Gender also listed as WMST 28	4
WMST 1 Introduction to Women 2019s Studies	4

Major Units Required	28-29
Transfer General Education Units Required	51-62
Additional Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units
Total Units Required	**90**

Certificate of Achievement (COA)
Cybersecurity

Program Description

This Certificate of Achievement prepares students to become cybersecurity technicians in a networking environment. In this program, students learn network security basics, security policies and procedures, network monitoring and risk analysis and assessment based on network security.

Program Learning Outcomes

Upon completion, students will be able to

- Describe network components, protocols, architectures and the application of current communication and networking technologies
- Define properties of all modern network types
- Detect and stop security breaches in network and application layers
- Help organizations increase awareness of security policies and procedures

Program Requirements

The Certificate of Achievement in Cybersecurity can be earned by taking all required courses online. Some online courses may require on-campus participation in meetings, class events or exams, as detailed in the quarterly class listings.

Complete the following Prerequisite/Corequisite (4.5 Units

Courses	Units
CIS 108 Personal Computer Security Basics	4.5

Requirements (13.5 Units)

Courses	Units
CIS 18A Introduction to Unix/Linux	4.5
CIS 46 Fundamentals of Digital Security	4.5
CIS 102 Ethical Hacking	4.5

Complete one course (5 Units)

Courses	Units
CIS 45A* Internet Concepts and TCP/IP Protocols	5
CIS 66* Introduction to Data Communication and Networking	5

**Based on previous experience or knowledge, students may substitute another CIS course of equal or greater unit value with departmental approval.*

Total Units Required, Including Prerequisite: 23

Certificate of Achievement (COA)
Database Development Practitioner

Program Description

The Database Development Practitioner Certificate of Achievement includes database management system fundamentals, SQL, PL/SQL, large scale data processing and big data and analytics. Students become proficient in organizing essential information and abstract relationships into a database. They also learn to update, maintain and repair databases. Database skills are applied by software engineers, business analysts, database architects, database administrators, database designers and reporting analysts.

Program Learning Outcomes

Upon completion, students will be able to

- Prepare and review a database design that includes logical and system representations
- Design, code and debug SQL and PL/SQL programs
- Apply performance tuning techniques to large-scale database applications
- Create, design and debug intermediate level programs with basic C programming language

- Create a database that is optimized to meet defined technical requirements

Program Requirements

Complete the following

Courses	Units
CIS 22A Beginning Programming Methodologies in C++	4/5
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5

Complete four courses (17-17.5 Units)

Courses	Units
CIS 44A Database Management Systems	4.5
CIS 44F Introduction to Big Data and Analytics	4
CIS 64B Introduction to SQL	4.5
CIS 64C Introduction to PL/SQL	4.5
CIS 64E Fundamentals of Large Scale Cloud Computing	4

Total Units Required: 26-26.5

Certificate of Achievement (COA)
Information Technology Technical Support

Program Description

Students earning the Information Technology Technical Support Certificate are able to apply fundamental concepts of IT support including networking, operating systems, system administration, troubleshooting and customer service, IT automation, and network security. Students upon completing this program are prepared to fill entry-level positions in IT support or continue their education in the field of technology. This program also prepares the student for the CompTIA A+ exams. Students earning this certificate will also earn Google IT Support Professional Certificate.

Program Learning Outcomes

Upon completion, students will be able to

- Perform IT support tasks including computer assembly, setting up wireless networking, installing programs
- Configure permissions and file systems, and provide for security on systems using Linux system, Windows system and Domain Name Systems
- Interact with users to diagnose and debug and where needed develop appropriate documentation to support the user

Program Requirements

Complete the following

Courses	Units
CIS 69A Technical Support Fundamentals	4.5
CIS 69B The Bits and Bytes of Computer Networking	4.5
CIS 69C Operating Systems and You: Becoming a Power User	4.5
CIS 69D System Administration and IT Infrastructure Services	4.5
CIS 69E IT Security: Defense Against the Digital Dark Ages	4.5

Total Units Required: 22.5

Certificate of Achievement (COA)
Network Administration

Program Description

This Certificate of Achievement offers studies in overseeing and maintaining Windows systems as part of a network enterprise. Students become proficient in running administrative processes on a Windows operating system. Focus is placed on organization, security and upkeep decisions as part of a larger business environment.

Program Learning Outcomes

Upon completion, students will be able to

- Identify computer hardware and networking components in the context of micro computers and various types of network operating systems, architectures and protocols
- Develop and present a business improvement plan using the business decision making model and utilizing software applications in word processing, spreadsheets or databases

Program Requirements

Complete the following

Courses	Units
CIS 4 Computer Literacy	4.5

Courses	Units
CIS 66 Introduction to Data Communication and Networking	5
CIS 67A Local Area Networks	4
CIS 108 Personal Computer Security Basics	4.5
CIS 170F Windows Administration	4.5

Total Units Required: 22.5

Certificate of Achievement (COA)
Network Basics

Program Description

The Network Basics Certificate of Achievement prepares students for entry-level employment as a computer support or network technician. Students are introduced to programming, networking and Internet protocols. This certificate program also gives students a foundation for further study in either network administration or programming.

Program Learning Outcomes

Upon completion, students will be able to

- Create algorithms to solve introductory-level problems using C programming language through the stages of coding, documenting, debugging, reading and testing with various tools
- Identify networking components and protocols in the context of architectures and technologies for LAN, WAN and Internet networks

Program Requirements

The Certificate of Achievement in Network Basics can be earned by taking all required courses online. Some online courses may require on-campus participation in meetings, class events or exams, as detailed in the quarterly class listings.

Complete the following

Courses	Units
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 45A Internet Concepts and TCP/IP Protocols	5
CIS 66 Introduction to Data Communication and Networking	5
CIS 67A Local Area Networks	4

Total Units Required: 18.5

Certificate of Achievement (COA)
Programming in C/C++

Program Description

The C/C++ Certificate of Achievement prepares students for entry-level employment in computer programming, software testing and integration, software analysis or algorithm design. The curriculum offers students an introduction to programming in C, intermediate problem solving in C and advanced C/C++ programming and design. The Certificate of Achievement also provides a solid foundation and skill set for those interested in pursuing further study towards a Certificate of Achievement-Advanced or A.A. degree in Systems Programming or Business Programming.

Program Learning Outcomes

Upon completion, students will be able to

- Read, analyze and explain advanced C/C++ programs
- Design solutions for advanced problems using appropriate design methodology incorporating advanced programming constructs
- Create algorithms and code, document, debug and test advanced level C/C++ programs using multiple source and header files

Program Requirements

Complete the following

Courses	Units
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5
CIS 22C Data Abstraction and Structures or CIS 22CH Data Abstraction and Structures - HONORS	4.5

Complete one course (4.5 Units)

Courses	Units
CIS 26B Advanced C Programming or CIS 26BH Advanced C Programming - HONORS	4.5
CIS 29 Advanced C++ Programming	4.5

Total Units Required: 18

Certificate of Achievement (COA)

Programming in Java

Program Description

This Certificate of Achievement gives students the knowledge and skills necessary to develop for client/server, web and mobile environments. Organizations running networks on private and public clouds, which pass information among desktop, server and mobile devices, count on Java as a general-purpose, object-oriented solution to fulfill the development requirement of applications. The flexible nature of the language is driving the demand for trained Java programmers.

Program Learning Outcomes

Upon completion, students will be able to

- Read, analyze and debug code using Core Java
- Design solutions using object-oriented programming constructs and advanced concepts in the Java Development Kit
- Design web applications using a three-tier architecture and applying advanced concepts for Java Enterprise Edition
- Design Java programs for the Android platform
- Create, design and debug advanced-level programs with Java language

Program Requirements

Complete the following

Courses	Units
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5
CIS 35A Java Programming	4.5
CIS 35B Advanced Java Programming	4.5
CIS 37 Java for Mobile Development	4.5

Total Units Required: 22.5

Certificate of Achievement (COA)

Programming in Perl

Program Description

The Programming in Perl Certificate of Achievement certifies that the student can create Perl programs. Perl is a continuously developing language, designed for practical management of important server systems. Perl programming is a key skill used in server processing, web host processing and integrating multiple subsystems. Students develop basic knowledge of Perl, which enables them to match interfaces of web protocol subsystems, the operating system and database subsystems.

Program Learning Outcomes

Upon completion, students will be able to

- Read, analyze and explain intermediate-level C programs
- Design solutions for intermediate-level problems using appropriate design methodology incorporating intermediate programming constructs
- Create algorithms and code, document, debug and test intermediate-level C programs
- Use the UNIX/LINUX Operating System utilities and shell features for basic file manipulation, networking and communication
- Design, code, document, analyze, debug and test advanced-level Perl programs that include object-oriented Perl modules and access to database, TCP/IP and system processes

Program Requirements

Complete the following

Courses	Units
CIS 18A Introduction to Unix/Linux	4.5
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5
CIS 33A Programming in Perl	4.5

Total Units Required: 18

Certificate of Achievement (COA)

Programming in Python

Program Description

Python is best known for applications in data analytics and big data processing. Python is also popular in many other software application fields, including graphics, database, network programming, game development, embedded systems, and web and internet development. Organizations running networks on private and public clouds count on Python as a general-purpose

solution to fulfill the development requirement of applications. The flexible nature of the language is driving the demand for trained Python programmers and the certificate of achievement will prepare students for jobs that require professional level Python programming skills. In addition, Python is also good building block to jump start to other programming languages such as JavaScript, Perl, Ruby and other key programming languages.

Program Learning Outcomes

Upon completion, students will be able to

- Create algorithms, code, document, debug and test Python programs that include Python modules for database, networking, graphics and extensions
- Read and analyze Python programs

Program Requirements

Complete the following

Courses	Units
CIS 41A Python Programming	4.5
CIS 41B Advanced Python Programming	4.5

Complete one course (4.5 Units)

Courses	Units
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 36A Introduction to Computer Programming Using Java	4.5
CIS 40 Introduction to Programming in Python	4.5

Complete one course (4.5-5 Units)

Courses	Units
CIS 9 Introduction to Data Science	4.5
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5
CIS 26A C as a Second Programming Language	4.5
CIS 27 Programming in C++ for C/Java Programmers	4.5
CIS 35A Java Programming	4.5
CIS 36B Intermediate Problem Solving in Java	4.5
CIS 64B Introduction to SQL	4.5
CIS 66 Introduction to Data Communication and Networking	5

Total Units Required: 18-18.5

Certificate of Achievement (COA)
Project Management Practitioner

Program Description

This Certificate of Achievement is designed for individuals who want to become project managers in their respective industries. Project management is an important responsibility as more organizations use teams and project-based methods to get work done. Using a practicum-based approach, students apply the Project Management Book of Knowledge (PMBOK) to develop skills to enhance teamwork and communication, as well as project management skills to balance scope, quality, budget and scheduling for each project. This certificate program introduces students to a career in project management and further prepares professionals who are already working in the field.

Program Learning Outcomes

Upon completion, students will be able to

- Manage projects by applying project management theory as defined by the Project Management Institute's (PMI) Project Management Book of Knowledge (PMBOK)
- Lead the creation of a project plan for an organization's large-scale project with a large budget
- Apply risk management techniques to a project to balance scope, quality, budget, scheduling and team morale
- Write a vendor solicitation plan and use a collaborative approach for selecting vendors
- Successfully manage a vendor through a project's completion while providing all project participants with a clear picture of scope, quality, budget and schedule

Program Requirements

Complete the following

Courses	Units
CIS 95A Project Management - A Practicum	5
CIS 95B Project Planning and Control - A Practicum	4
CIS 95C Risk Assessment and Mitigation - A Practicum	4
CIS 95D Managing Outsourcing - A Practicum	3

Complete one course (4-4.5 Units)

Courses	Units
CIS 79 Managing Technology Projects	4.5
CIS 95E CAPM and PMP Exam Preparation	4
CIS 95F Managing Cloud Projects	4

Courses	Units
CIS 95G Agile Project Management - A Practicum	4

Total Units Required: 20-20.5

Certificate of Achievement (COA)
UNIX/LINUX Operating System

Program Description

Students pursuing the UNIX/LINUX Operating System Certificate of Achievement learn the fundamentals of the UNIX/LINUX OS, ranging from text file manipulation, job control and communication to implementation of shell scripts to automate tasks.

Program Learning Outcomes

Upon completion, students will be able to

- Use UNIX/LINUX utilities and shell features for file manipulation, job control and communication
- Create algorithms and code, document, debug and test shell scripts that interact with the UNIX/LINUX Operating System

Program Requirements

Complete the following

Courses	Units
CIS 18A Introduction to Unix/Linux	4.5
CIS 18B Advanced Unix/Linux	4.5
CIS 18C Bash Scripting	4.5
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5

Total Units Required: 22.5

Certificate of Achievement (COA)
Visual Basic Programming

Program Description

The Visual Basic Certificate of Achievement prepares students for entry-level positions such as Visual Basic developer, .NET developer and web database developer. Additionally, students will enhance their skills in working with spreadsheets and databases. These skills can be applied to degrees in MIS, web development or any associated area.

Program Learning Outcomes

Upon completion, students will be able to

- Develop and present a plan for improving a business using the business decision making model utilizing hardware and software applications such as word processing, spreadsheets or databases
- Design, create and debug an application incorporating class modules, bas modules, multiple forms and database updating
- Design, create and debug a Web application using ASP.NET 3.5

Program Requirements

Complete the following

Courses	Units
CIS 3 Business Information Systems	4.5
CIS 14A Visual Basic .NET Programming I	4.5
CIS 14B Visual Basic .NET Programming II	4.5
CIS 44A Database Management Systems	4.5

Total Units Required: 18

Certificate of Achievement (COA)
Web Development

Program Description

The Certificate of Achievement in Web Development certifies that the student can create web pages and client side programming for web pages.

Program Learning Outcomes

Upon completion, students will be able to

- Create algorithms and code, document, debug and test introductory-level programs in a high-level programming language
- Create web pages using Extensible Hypertext Markup Language (XHTML), Cascading Style Sheets (CSS), JavaScript and the Document Object Model (DOM), and demonstrate how they interact together within a web document

Program Requirements

Complete one course (4.5 Units)

Courses	Units
CIS 5 Swift Programming	4.5
CIS 14A Visual Basic .NET Programming I	4.5
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 40 Introduction to Programming in Python	4.5

Complete four courses (16.5-18 Units)

Courses	Units
CIS 18A Introduction to Unix/Linux	4.5
CIS 38 iOS Development	4.5
CIS 57 Web Site Administration	4.5
CIS 89A Web Page Development	4.5
CIS 89C Client-Side Programming with JavaScrip	4.5
CIS 89D Rich Internet Application Development	4.5
CIS 97 FLASH Animation	3
CIS 98 Digital Image Editing Software (Photoshop)	4.5

Total Units Required: 21-22.5

Certificate of Achievement-Advanced (COA-A)
Business Programming

Program Description

The Business Programming Certificate of Achievement-Advanced program creates programming- savvy entrepreneurs who can make decisions about finances and technology, and who understand how to run an enterprise from both the technology and business perspectives. This program teaches skills combined from business and programming that enable a more in-depth view into the technology necessary to run a business in the 21st century.

Program Learning Outcomes

Upon completion, students will be able to

- Analyze business requirements and architect, design and develop distributed business applications that meet these requirements to the level of user interfaces, algorithms, design patterns, security and storage strategies

Program Requirements

Complete the following

Courses	Units
ACCT 1A Financial Accounting I or ACCT 1AH Financial Accounting I - HONORS	5
BUS 10 Introduction to Business	5
CIS 14A Visual Basic .NET Programming I	4.5
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5
CIS 28 Object Orientated Analysis and Design	4.5
CIS 44A Database Management Systems	4.5
CIS 46 Fundamentals of Digital Security	4.5

Complete one course (4.5 Units)

Courses	Units
CIS 22C Data Abstraction and Structures or CIS 22CH Data Abstraction and Structures - HONORS	4.5
CIS 29 Advanced C++ Programming	4.5
CIS 43 Systems Design	4.5

Complete one course (4-5 Units)

Courses	Units
CIS 3 Business Information Systems	4.5
CIS 67A Local Area Networks	4
CIS 95A Project Management - A Practicum	5
CIS 95F Managing Cloud Projects	4

Total Units Required: 44.4-46.5

Certificate of Achievement-Advanced (COA-A)
Cybersecurity

Program Description

This Certificate of Achievement-Advanced prepares students to become cybersecurity technicians in a networking environment. In this program, students learn network security basics, emergency response planning, internet protocols, and more advanced-level security policies and procedures, network monitoring and risk analysis and assessment based on network security.

Program Learning Outcomes

Upon completion, students will be able to

- Describe network components, protocols, architectures and the application of current communication and networking technologies
- Define properties of all modern network types
- Detect and stop security breaches in network and application layers
- Help organizations increase awareness of security policies and procedures

Program Requirements

Complete the following Prerequisite/Corequisite (4.5 Units)

Courses	Units
CIS 108 Personal Computer Security Basics	4.5

Requirements (18 Units)

Courses	Units
CIS 18A Introduction to Unix/Linux	4.5
CIS 46 Fundamentals of Digital Security	4.5
CIS 102 Ethical Hacking	
CIS 170F Windows Administration	4.5

Complete one course (5 Units)

Courses	Units
CIS 45A* Internet Concepts and TCP/IP Protocols	5
CIS 66* Introduction to Data Communication and Networking	5

Complete one course (4.5 Units)

Courses	Units
CIS 104 Digital Forensics and Hacking Investigation	4.5
CIS 105 Cloud Security Fundamentals	4.5

**Based on previous experience or knowledge, students may substitute another CIS course of equal or greater unit value with departmental approval.*

Total Units Required, Including Prerequisite: 32

Certificate of Achievement-Advanced (COA-A)
Database Development Practitioner

Program Description

The Certificate of Achievement-Advanced prepares students for an entry-level position in the database field to work as a data analyst, business analyst, database project coordinator or database engineer.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate requirement analysis, design and coding skills in languages commonly used in data management with large scale databases
- Apply skills for business analysis to convert data into information in real time, allowing business owners to make effective just-in-time decisions

Program Requirements

Complete one option (9 Units)

Option 1

Courses	Units
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5

Option 2

Courses	Units
CIS 36A Introduction to Computer Programming Using Java	4.5
CIS 36B Intermediate Problem Solving in Java	4.5

Option 3

Courses	Units
CIS 41A Python Programming	4.5
CIS 41B Advanced Python Programming	4.5

Complete four courses (17-17.5 Units)

Courses	Units
CIS 44A Database Management Systems	4.5
CIS 44F Introduction to Big Data and Analytics	4
CIS 64B Introduction to SQL	4.5
CIS 64C Introduction to PL/SQL	4.5
CIS 64E Fundamentals of Large Scale Cloud Computing	4

Complete two courses (9 Units)

Courses	Units
CIS 9 Introduction to Data Science	4.5
CIS 44H R Programming	4.5
CIS 64G Data Visualization Methodology and Tools	4.5

Complete two courses (9 Units)

Courses	Units
CIS 18A Introduction to Unix/Linux	4.5
CIS 18B Advanced Unix/Linux	4.5

Total Units Required: 44-44.5

Certificate of Achievement-Advanced (COA-A)
Network Administration

Program Description

The Certificate of Achievement-Advanced program offer studies in overseeing and maintaining Windows systems as part of a network enterprise. Students become proficient in running administrative processes on a Windows operating system. Focus is placed on organization, security and upkeep decisions as part of a larger business environment. The program include training in programming, network management, UNIX and Perl to aid in understanding more complex networking problems that occur in business enterprises.

Program Learning Outcomes

Upon completion, students will be able to

- Use UNIX/LINUX utilities and shell features for file manipulation and communication
- Create algorithms and code, document, debug and test shell scripts that interact with the UNIX/LINUX OS
- Create algorithms to solve introductory-level problems using C programming and shell scripting or Perl languages
- Identify networking components and protocols in the context of architectures and technologies for LAN, WAN and Internet networks

Program Requirements

Complete the following

Courses	Units
CIS 18A Introduction to Unix/Linux	4.5

Courses	Units
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5
CIS 45A Internet Concepts and TCP/IP Protocols	5
CIS 66 Introduction to Data Communication and Networking	5
CIS 67A Local Area Networks	4
CIS 67B Introduction to Wide Area Networking	4

Complete one course (4.5 units)

Courses	Units
CIS 18B Advanced Unix/Linux	4.5
CIS 33A Programming in Perl	4.5

Complete one course (4.5-5 Units)

Courses	Units
CIS 31 Operating System Concepts	5
CIS 170F Windows Administration	4.5

Total Units Required: 40.5-41

Certificate of Achievement-Advanced (COA-A)
Network Programming

Program Description

The Certificate of Achievement-Advanced gives students a foundation for either employment or further study in the field of network programming. The curriculum offers students an introduction to computer programming, networking and internet protocols. Advanced topics include data structures, advanced computer programming, Internet programming with TCP/IP and UNIX/LINUX utilities and shell features for file manipulation and communication.

Program Learning Outcomes

Upon completion, students will be able to

- Design solutions for advanced network problems creating distributed programs using Transmission Control Protocol and Internet Protocol
- Create algorithms and code, document, debug and test advanced-level C programs using multiple source and header files

- Use UNIX/LINUX utilities and shell features for file manipulation and communication

Program Requirements

Complete the following

Courses	Units
CIS 18A Introduction to Unix/Linux	4.5
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5
CIS 22C Data Abstraction and Structures or CIS 22CH Data Abstraction and Structures - HONORS	4.5
CIS 26B Advanced C Programming 4.5 or CIS 26BH Advanced C Programming - HONORS	4.5
CIS 45A Internet Concepts and TCP/IP Protocols	5
CIS 66 Introduction to Data Communication and Networking	5

Complete two courses (8-9.5 Units)

Courses	Units
CIS 18B Advanced Unix/Linux	4.5
CIS 21JA Introduction to x86 Processor Assembly Language and Computer Architecture	4.5
CIS 31 Operating System Concepts	54
CIS 33A Programming in Perl	4.5
CIS 67A Local Area Networks	4
CIS 67B Introduction to Wide Area Networking	4
CIS 75B Internet Programming with TCP/IP	4.5

Total Units Required: 40.5-42

Certificate of Achievement-Advanced (COA-A)
Project Management Practitioner

Program Description

The Certificate of Achievement-Advanced prepares students for an entry-level position in the project management field to work as a project coordinator, project manager, business analyst or associate product manager with skills gained for assisting in program or portfolio management.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate skills in initiating, planning, execution and control of a project with mindfulness to scope, quality, budget and resources
- Demonstrate skills with technical tools for effective project management
- Apply skills for business analysis, program management or portfolio management in real-world projects

Program Requirements

Complete the following

Courses	Units
CIS 95A Project Management - A Practicum	5
CIS 95B Project Planning and Control - A Practicum	4
CIS 95C Risk Assessment and Mitigation - A Practicum	4
CIS 95D Managing Outsourcing - A Practicum	3
CIS 95E CAPM and PMP Exam Preparation	4
CIS 95H Business and Requirement Analysis	4
CIS 95J Applying Emotional Intelligence for Effective Project Management	3
CIS 95K Program Management - A Practicum	4
CIS 95L Portfolio Management - A Practicum	4

Complete two courses (8-8.5 Units)

Courses	Units
CIS 79 Managing Technology Projects	4.5
CIS 95F Managing Cloud Projects	4
CIS 95G Agile Project Management - A Practicum	4

Total Units Required: 43-43.5

Certificate of Achievement-Advanced (COA-A)
Systems Programming

Program Description

Students pursuing the Systems Programming Certificate of Achievement-Advanced learn computer programming

fundamentals of both low-level and high-level languages and gain computing experience on both Windows and Linux platforms.

Total Units Required: 40.5-41.5

Program Learning Outcomes

Upon completion, students will be able to

- Create a design, implement and debug solutions for computing systems of different levels of complexity using C and C++
- Create, design, implement and debug solutions for embedded systems such as 8086/ IA32 processor using Assembly Language
- Use UNIX/LINUX utilities and shell features for file manipulation and communication

Program Requirements

Complete the following

Courses	Units
CIS 18A Introduction to Unix/Linux	4.5
CIS 21JA Introduction to x86 Processor Assembly Language and Computer Architecture	4.5
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5
CIS 22C Data Abstraction and Structures or CIS 22CH Data Abstraction and Structures - HONORS	4.5
CIS 26B Advanced C Programming or CIS 26BH Advanced C Programming - HONORS	4.5
CIS 29 Advanced C++ Programming	4.5
CIS 31 Operating System Concepts	5

Complete one course (4-5 Units)

Courses	Units
CIS 18B Advanced Unix/Linux	4.5
CIS 21JB Advanced x86 Processor Assembly Programming	4.5
CIS 28 Object Oriented Analysis and Design	4.5
CIS 35A Java Programming	4.5
CIS 66 Introduction to Data Communication and Networking	5
CIS 95F Managing Cloud Projects	4

Associate in Arts (A.A.) Degree
Business Programming

Program Description

The Business Programming A.A. degree program creates programming- savvy entrepreneurs who can make decisions about finances and technology, and who understand how to run an enterprise from both the technology and business perspectives. This program teaches skills combined from business and programming that enable a more in-depth view into the technology necessary to run a business in the 21st century.

Program Learning Outcomes

Upon completion, students will be able to

- Analyze business requirements and architect, design and develop distributed business applications that meet these requirements to the level of user interfaces, algorithms, design patterns, security and storage strategies

Program Requirements

Complete the following

Courses	Units
ACCT 1A Financial Accounting I or ACCT 1AH Financial Accounting I - HONORS	5
BUS 10 Introduction to Business	5
CIS 14A Visual Basic .NET Programming I	4.5
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5
CIS 28 Object Orientated Analysis and Design	4.5
CIS 44A Database Management Systems	4.5
CIS 46 Fundamentals of Digital Security	4.5

Complete one course (4.5 Units)

Courses	Units
CIS 22C Data Abstraction and Structures or CIS 22CH Data Abstraction and Structures - HONORS	4.5
CIS 29 Advanced C++ Programming	4.5
CIS 43 Systems Design	4.5

Complete one course (4-5 Units)

Courses	Units
CIS 3 Business Information Systems	4.5
CIS 67A Local Area Networks	4
CIS 95A Project Management - A Practicum	5
CIS 95F Managing Cloud Projects	4

Major Units Required	45.5-46.5
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 unit

Total Units Required 90

Associate in Arts (A.A.) Degree
Cybersecurity

Program Description

The A.A. degree program offers students the opportunity to study information security principles and theories that focus on asset protection. In this program, students learn network security basics, security policies and procedures, network monitoring and risk analysis and assessment based on network security. Students in this program can pursue either a general course of study or a concentration. Graduates find employment in general public or private management, federal or local government civil service, military service, law enforcement and private security.

Program Learning Outcomes

Upon completion, students will be able to

- Describe network components, protocols, architectures and the application of current communication and networking technologies
- Define properties of all modern network types
- Determine, at a more advanced level, how to detect and stop security breaches in network and application layer
- Help organizations increase awareness of security policies and procedures

Program Requirements

Complete the following Prerequisite/Corequisite (4.5 Units)

Courses	Units
CIS 108 Personal Computer Security Basics	4.5

Requirements (18 Units)

Courses	Units
CIS 18A Introduction to Unix/Linux	4.5
CIS 46 Fundamentals of Digital Security	4.5
CIS 102 Ethical Hacking	
CIS 170F Windows Administration	4.5

Complete one course (5 Units)

Courses	Units
CIS 45A* Internet Concepts and TCP/IP Protocols	5
CIS 66* Introduction to Data Communication and Networking	5

Complete one course (4.5 Units)

Courses	Units
CIS 104 Digital Forensics and Hacking Investigation	4.5
CIS 105 Cloud Security Fundamentals	4.5

Major Units Required	32
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units

Total Units Required 90

Associate in Arts (A.A.) Degree
Database Development Practitioner

Program Description

The A.A. degree prepares students for an entry-level position in the database field to work as a data analyst, business analyst, database project coordinator or database engineer.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate requirement analysis, design and coding skills in languages commonly used in data management with large scale databases
- Apply skills for business analysis to convert data into information in real time, allowing business owners to make effective just-in-time decisions

Program Requirements

Complete one option (9 Units)

Option 1

Courses	Units
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5

Option 2

Courses	Units
CIS 36A Introduction to Computer Programming Using Java	4.5
CIS 36B Intermediate Problem Solving in Java	4.5

Option 3

Courses	Units
CIS 41A Python Programming	4.5
CIS 41B Advanced Python Programming	4.5

Complete four courses (17-17.5 Units)

Courses	Units
CIS 44A Database Management Systems	4.5
CIS 44F Introduction to Big Data and Analytics	4
CIS 64B Introduction to SQL	4.5
CIS 64C Introduction to PL/SQL	4.5
CIS 64E Fundamentals of Large Scale Cloud Computing	4

Complete two courses (9 Units)

Courses	Units
CIS 9 Introduction to Data Science	4.5
CIS 44H R Programming	4.5
CIS 64G Data Visualization Methodology and Tools	4.5

Complete two courses (9 Units)

Courses	Units
CIS 18A Introduction to Unix/Linux	4.5
CIS 18B Advanced Unix/Linux	4.5

Major Units Required	44-44.5
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts (A.A.) Degree
Network Administration

Program Description

The A.A. degree program offer studies in overseeing and maintaining Windows systems as part of a network enterprise. Students become proficient in running administrative processes on a Windows operating system. Focus is placed on organization, security and upkeep decisions as part of a larger business environment. The program include training in programming, network management, UNIX and Perl to aid in understanding more complex networking problems that occur in business enterprises.

Program Learning Outcomes

Upon completion, students will be able to

- Use UNIX/LINUX utilities and shell features for file manipulation and communication
- Create algorithms and code, document, debug and test shell scripts that interact with the UNIX/LINUX OS
- Create algorithms to solve introductory-level problems using C programming and shell scripting or Perl languages
- Identify networking components and protocols in the context of architectures and technologies for LAN, WAN and Internet networks

Program Requirements

Complete the following

Courses	Units
CIS 18A Introduction to Unix/Linux	4.5

Courses	Units
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5
CIS 45A Internet Concepts and TCP/IP Protocols	5
CIS 66 Introduction to Data Communication and Networking	5
CIS 67A Local Area Networks	4
CIS 67B Introduction to Wide Area Networking	4

Complete one course (4.5 units)

Courses	Units
CIS 18B Advanced Unix/Linux	4.5
CIS 33A Programming in Perl	4.5

Complete one course (4.5-5 Units)

Courses	Units
CIS 31 Operating System Concepts	5
CIS 170F Windows Administration	4.5

Major Units Required	40.5-41
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts (A.A.) Degree
Network Programming

Program Description

The A.A. degree gives students a foundation for either employment or further study in the field of network programming. The curriculum offers students an introduction to computer programming, networking and internet protocols. Advanced topics include data structures, advanced computer programming, Internet programming with TCP/IP and UNIX/LINUX utilities and shell features for file manipulation and communication.

Program Learning Outcomes

Upon completion, students will be able to

- Design solutions for advanced network problems creating distributed programs using Transmission Control Protocol and Internet Protocol
- Create algorithms and code, document, debug and test advanced-level C programs using multiple source and header files
- Use UNIX/LINUX utilities and shell features for file manipulation and communication

Program Requirements

Complete the following

Courses	Units
CIS 18A Introduction to Unix/Linux	4.5
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5
CIS 22C Data Abstraction and Structures or CIS 22CH Data Abstraction and Structures - HONORS	4.5
CIS 26B Advanced C Programming 4.5 or CIS 26BH Advanced C Programming - HONORS	4.5
CIS 45A Internet Concepts and TCP/IP Protocols	5
CIS 66 Introduction to Data Communication and Networking	5

Complete two courses (8-9.5 Units)

Courses	Units
CIS 18B Advanced Unix/Linux	4.5
CIS 21JA Introduction to x86 Processor Assembly Language and Computer Architecture	4.5
CIS 31 Operating System Concepts	54
CIS 33A Programming in Perl	4.5
CIS 67A Local Area Networks	4
CIS 67B Introduction to Wide Area Networking	4
CIS 75B Internet Programming with TCP/IP	4.5

Major Units Required	40.5-42

General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units

Total Units Required 90

Associate in Arts (A.A.) Degree
Project Management Practitioner

Program Description

The A.A. degree prepares students for an entry-level position in the project management field to work as a project coordinator, project manager, business analyst or associate product manager with skills gained for assisting in program or portfolio management.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate skills in initiating, planning, execution and control of a project with mindfulness to scope, quality, budget and resources
- Demonstrate skills with technical tools for effective project management
- Apply skills for business analysis, program management or portfolio management in real-world projects

Program Requirements

Complete the following

Courses	Units
CIS 95A Project Management - A Practicum	5
CIS 95B Project Planning and Control - A Practicum	4
CIS 95C Risk Assessment and Mitigation - A Practicum	4
CIS 95D Managing Outsourcing - A Practicum	3
CIS 95E CAPM and PMP Exam Preparation	4
CIS 95H Business and Requirement Analysis	4
CIS 95J Applying Emotional Intelligence for Effective Project Management	3
CIS 95K Program Management - A Practicum	4
CIS 95L Portfolio Management - A Practicum	4

Complete two courses (8-8.5 Units)

Courses	Units
CIS 79 Managing Technology Projects	4.5
CIS 95F Managing Cloud Projects	4
CIS 95G Agile Project Management - A Practicum	4

Major Units Required	43-43.5
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units

Total Units Required 90

Associate in Arts (A.A.) Degree
Systems Programming

Program Description

Students pursuing the Systems Programming A.A. degree learn computer programming fundamentals of both low-level and high-level languages and gain computing experience on both Windows and Linux platforms.

Program Learning Outcomes

Upon completion, students will be able to

- Create a design, implement and debug solutions for computing systems of different levels of complexity using C and C++
- Create, design, implement and debug solutions for embedded systems such as 8086/ IA32 processor using Assembly Language
- Use UNIX/LINUX utilities and shell features for file manipulation and communication

Program Requirements

Complete the following

Courses	Units
CIS 18A Introduction to Unix/Linux	4.5
CIS 21JA Introduction to x86 Processor Assembly Language and Computer Architecture	4.5
CIS 22A Beginning Programming Methodologies in C++	4.5

Courses	Units
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5
CIS 22C Data Abstraction and Structures or CIS 22CH Data Abstraction and Structures - HONORS	4.5
CIS 26B Advanced C Programming or CIS 26BH Advanced C Programming - HONORS	4.5
CIS 29 Advanced C++ Programming	4.5
CIS 31 Operating System Concepts	5

Complete one course (4-5 Units)

Courses	Units
CIS 18B Advanced Unix/Linux	4.5
CIS 21JB Advanced x86 Processor Assembly Programming	4.5
CIS 28 Object Oriented Analysis and Design	4.5
CIS 35A Java Programming	4.5
CIS 66 Introduction to Data Communication and Networking	5
CIS 95F Managing Cloud Projects	4

Major Units Required	40.5-41.5
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Science for Transfer (A.S.-T.) Degree

Associate in Science in Computer Science for Transfer

Program Description

The Computer Science major consists of courses appropriate for an Associate in Science in Computer Science for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). It is a starting point for students who are preparing for careers in software engineering, network administration and data base management, where scientific and technical skills are in great demand. It also provides a foundation for majors in physical science, math and engineering. The Associate in Science in Computer Science for Transfer is intended for students who plan to complete a bachelor's degree in Computer Science (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Create, design, implement and debug solutions for computing systems of different levels of complexity using an object orientated language
- Create, design, implement and debug solutions for low-level systems using assembly language

Program Requirements

Complete the following required core courses (36.5 Units)

Courses	Units
CIS 21JA Introduction to x86 Processor Assembly Language and Computer Architecture	4.5
MATH 1A Calculus or MATH 1AH Calculus - HONORS	5
MATH 1B Calculus or MATH 1BH Calculus - HONORS	5
MATH 1C Calculus or MATH 1CH Calculus - HONORS	5
MATH 22 Discrete Mathematics or MATH 22H Discrete Mathematics - HONORS	5
PHYS 4A Physics for Scientists and Engineers: Mechanics	6
PHYS 4B Physics for Scientists and Engineers: Electricity and Magnetism	6

Required Core - Complete one option (9-13.5 Units)

Option 1

Courses	Units
CIS 22A Beginning Programming Methodologies in C++	4.5

Courses	Units
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5
CIS 22C Data Abstraction and Structures or CIS 22CH Data Abstraction and Structures - HONORS	4.5

Option 2

Courses	Units
CIS 22C Data Abstraction and Structures or CIS 22CH Data Abstraction and Structures - HONORS	4.5
CIS 35A Java Programming	4.5

Major Units Required	45.5-50
Transfer General Education Units Required	51-62 IGETC for CSU
Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units
Total Units Required	**90**

Certificate of Achievement (COA)

Communication Studies

Program Description

Students earning the communication studies certificate of achievement learn the fundamentals of the discipline, which includes public speaking, group communication, interpersonal communication, organizational communication, mass communication, argumentation and critical thinking. This program helps students communicate effectively in their academic and work environments.

Program Learning Outcomes

Upon completion, students will be able to

- Design and relate messages clearly and confidently
- Use a range of speaking, listening and collaboration skills
- Think and engage critically in a wide range of discourse
- Use communication for academic and career advancement

Program Requirements

Complete one course (5 Units)

Courses	Units
COMM 1 Public Speaking or COMM 1H Public Speaking - HONORS	5
COMM 10 Fundamentals of Oral Communication or COMM 10H Fundamentals of Oral Communication - HONORS	5

Complete one course (5 Units)

Courses	Units
COMM 8 Argumentation and Critical Inquiry in Oral Communication or COMM 8H Argumentation and Critical Inquiry in Oral Communication - HONORS	5
COMM 9* Argumentation: Analysis of Oral and Written Communication or COMM 9H* Argumentation: Analysis of Oral and Written Communication - HONORS	5
COMM 15 Critical Decision-Making in Groups or COMM 15H Critical Decision-Making in Groups - HONORS	5

Complete a minimum of 9-10 units (not already taken) (9-10 Units)

Courses	Units
COMM 1 Public Speaking or COMM 1H Public Speaking - HONORS	5
COMM 7 Intercultural Communication also listed as ICS 7 or COMM 7H Intercultural Communication - HONORS also listed as ICS 7H	4
COMM 8 Argumentation and Critical Inquiry in Oral Communication or COMM 8H Argumentation and Critical Inquiry in Oral Communication - HONORS	5
COMM 9* Argumentation: Analysis of Oral and Written Communication or COMM 9H* Argumentation: Analysis of Oral and Written Communication - HONORS	5
COMM 10 Fundamentals of Oral Communication or COMM 10H Fundamentals of Oral Communication - HONORS	5
COMM 15 Critical Decision-Making in Groups or COMM 15H Critical Decision-Making in Groups - HONORS	5
COMM 16* Interpersonal Communication or COMM 16H* Interpersonal Communication - HONORS	5
COMM 70* Organizational Communication or COMM 70H* Organizational Communication - HONORS	5

Courses	Units
COMM 77 series COMM 77W, 77X, 77Y, 77Z Special Individual Projects in Communication Studies	1-4
COMM 78 series COMM 78W, 78X, 78Y, 78Z Special Topics in Communication Studies	1-4
JOUR 2 Media and Its Impact on Society	4

Total Units Required: 19-20

Note: Up to four units from COMM 77 and 78 series courses may apply.

**High-demand courses with limited quarterly offerings. Students should plan accordingly to ensure timely program completion.*

Associate in Arts (A.A.) Degree
Communication Studies

Program Description

De Anza's A.A. degree in Communication Studies provides a foundational understanding of the discipline and a breadth of coursework that can transfer toward a bachelor's degree in Communication Studies. Students develop knowledge and skills in expressing ideas verbally and non-verbally; learn to interpret, advocate and critically debate ideas; work productively in teams and groups; examine the role of culture in communication; and demonstrate the communication skills necessary to engage in personal, professional, civic and social relationships.

Program Learning Outcomes

Upon completion, students will be able to

- Design and relate messages clearly and confidently
- Use a range of speaking, listening and collaboration skills
- Think and engage critically in a wide range of discourse
- Use communication for academic and career advancement

Program Requirements

Complete one course (5 Units)

Courses	Units
COMM 1 Public Speaking or COMM 1H Public Speaking - HONORS	5
COMM 10 Fundamentals of Oral Communication or COMM 10H Fundamentals of Oral Communication - HONORS	5

Complete one course (5 Units)

Courses	Units
COMM 8 Argumentation and Critical Inquiry in Oral Communication or COMM 8H Argumentation and Critical Inquiry in Oral Communication - HONORS	5
COMM 9* Argumentation: Analysis of Oral and Written Communication or COMM 9H* Argumentation: Analysis of Oral and Written Communication - HONORS	5
COMM 15 Critical Decision-Making in Groups or COMM 15H Critical Decision-Making in Groups - HONORS	5

Complete five courses (23 Units)

Courses	Units
COMM 7 Intercultural Communication also listed as ICS 7 or COMM 7H Intercultural Communication - HONORS also listed as ICS 7H	4
COMM 15 Critical Decision-Making in Groups or COMM 15H Critical Decision-Making in Groups - HONORS	5
COMM 16* Interpersonal Communication or COMM 16H* Interpersonal Communication - HONORS	5
COMM 70* Organizational Communication or COMM 70H* Organizational Communication - HONORS	5
JOUR 2 Media and Its Impact on Society	4

Specialty Area Coursework (12 Units)

**High-demand courses with limited quarterly offerings. Students should plan accordingly to ensure timely program completion.*

Major Units Required	45
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 unit
Total Units Required	**90**

Associate in Arts for Transfer (A.A.-T.) Degree
Associate in Arts in

Communication Studies for Transfer

Program Description

The Communication Studies major consists of courses appropriate for an Associate in Arts in Communication Studies for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Arts in Communication Studies for Transfer is intended for students who plan to complete a bachelor's degree in Communication Studies (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Design and relate messages clearly and confidently
- Use a range of speaking, listening and collaboration skills
- Think and engage critically in a wide range of discourse
- Use communication for academic and career advancement

Program Requirements

Complete the following required core - Complete one course (5 Units)

Courses	Units
COMM 1 Public Speaking or COMM 1H Public Speaking - HONORS	5
COMM 10 Fundamentals of Oral Communication or COMM 10H Fundamentals of Oral Communication - HONORS	5

List A - Complete two courses (10 Units)

Courses	Units
COMM 8 Argumentation and Critical Inquiry in Oral Communication or COMM 8H Argumentation and Critical Inquiry in Oral Communication - HONORS	5
COMM 15 Critical Decision-Making in Groups or COMM 15H Critical Decision-Making in Groups - HONORS	5
COMM 16* Interpersonal Communication or COMM 16H* Interpersonal Communication - HONORS	5

List B - Complete two courses below or from List A (not already taken) (8-9 Units)

Courses	Units
COMM 7 Intercultural Communication also listed as ICS 7 or COMM 7H Intercultural Communication - HONORS also listed as ICS 7H	4
JOUR 2 Media and Its Impact on Society	4

List C - Complete one course below or from List A or List B (not already taken) (5 Units)

Courses	Units
COMM 70* Organizational Communication or COMM 70H* Organizational Communication - HONORS	5

Students under the minimum 27 units for a major, must complete all the courses in Lists A, B and C.

**High-demand courses with limited quarterly offerings. Students should plan accordingly to ensure timely program completion.*

Major Units Required	28-29
Transfer General Education Units Required	51-62 CSU GE or (IGETC for CSU)
Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units
Total Units Required	**90**

Certificate of Achievement-Advanced (COA-A)

CSU GE

Program Description

This Certificate of Achievement-Advanced is designed for students planning to transfer to the California State University (CSU). It offers a program of study that meets the CSU lower division General Education requirements. Though completion of lower division General Education is not usually required to transfer, and not recommended for certain majors, most students should make completion of all or most of CSU GE requirements a priority, along with completion of their lower-division major coursework. Students

are advised to meet with a counselor or academic adviser to discuss transfer requirements, including General Education, lower division major preparation, minimum and competitive GPAs, and the transfer admission process. To earn this advanced certificate, students must meet all CSU GE Breadth requirements found at deanza.edu/articulation/ge-requirements. Courses on this advanced certificate are approved for a specific academic year, so requirements listed in catalogs for other years do not apply. Courses must be on the approved list during the year in which they were taken. For approved courses by academic year, see assist.org. This advanced certificate will be noted on the student's transcript. Important: The Certificate of Achievement-Advanced differs from the CSU GE "certification form" required by most CSU campuses to verify completion of lower division General Education work. Not all criteria required for the advanced certificate applies to the CSU GE "certification." Upon enrolling in final course requirements and receiving conditional admission to the university, students must submit a request for certification to the De Anza College Admissions and Records Office. CSU GE certification request forms are available at the Admissions and Records Office and online at deanza.edu/counseling/forms.

Program Learning Outcomes

Upon completion, students will be able to

- Communicate effectively both verbally and in writing
- Critically analyze and problem-solve using applicable techniques, incorporating the appropriate use of logic, mathematical and quantitative reasoning concepts, scientific theories, data, and the scientific method, while considering value systems and ethic
- Critically examine the interrelationship between the self and the creative arts and of the humanities in a variety of cultural and historical perspectives, through the study of the arts, history, literature, philosophy and foreign languages
- Critically analyze issues in their contemporary and historical settings and in a variety of cultural contexts, while exploring the principles, methodologies, value systems and ethics employed in social scientific inquiry

Program Requirements

See CSU GE pattern found at deanza.edu/articulation/ge-requirements.

Note: This is an exception to the Certificate of Achievement-Advanced Requirements. The requirements are stated within the description.

Total Units Required: 58

Certificate of Achievement-Advanced (COA-A)
IGETC

Program Description

This Certificate of Achievement-Advanced is designed for students planning to transfer to either the University of California (UC) or the California State University (CSU) systems. It offers a program of study that meets the Intersegmental General Education Transfer Curriculum (IGETC) requirements. Though completion of lower division General Education is not usually required to transfer*, and not recommended for certain majors, most students should make completion of all or most of IGETC a priority, along with completion of their lower-division major coursework. Students are advised to meet with a counselor or academic adviser to discuss transfer requirements, including General Education, lower division major preparation, minimum and competitive GPAs, and the transfer admission process. To earn this advanced certificate, students must complete a minimum of 51-62 units, depending on the option selected, distributed among five to six areas outlined in the IGETC pattern found at deanza.edu/articulation/ge-requirements, with a C grade or higher in each course (or with a Pass if the course was taken on a Pass/No Pass basis and the Pass is equal to a C or higher grade). Courses on this advanced certificate are approved for a specific academic year, so requirements listed in catalogs for other years do not apply. Courses completed for this advanced certificate must be on the approved list during the year in which they were taken. Important: The Certificate of Achievement-Advanced differs from the IGETC "certification form" required by most UC and CSU campuses to verify completion of lower division General Education work. Not all criteria required for the advanced certificate applies to this IGETC "certification." Upon enrolling in final course requirements and receiving conditional admission to the university, students must submit a request for certification to the De Anza College Admissions and Records Office. IGETC certification request forms are available at the Admissions and Records Office and online at deanza.edu/counseling/forms. *A college or specific program may specify full IGETC certification is required for admission under certain conditions. Students should meet with a De Anza counselor or academic adviser to determine if IGETC is the best option to meet their specific transfer goals. (For UC Option) Demonstrate proficiency in a language other than English and knowledge of the associated history and culture, at the level achieved through two years of high school study.

Program Learning Outcomes

Upon completion, students will be able to

- Communicate effectively both verbally and in writing
- Critically analyze and problem-solve using applicable techniques, incorporating the appropriate use of logic, mathematical and quantitative reasoning concepts, scientific theories, data, and the scientific method, while considering value systems and ethic
- Critically examine the interrelationship between the self and the creative arts and of the humanities in a variety of cultural and historical perspectives, through the study of the arts, history, literature, philosophy and foreign languages
- Critically analyze issues in their contemporary and historical settings and in a variety of cultural contexts, while exploring the principles, methodologies, value systems and ethics employed in social scientific inquiry

Program Requirements

See IGETC pattern found at deanza.edu/articulation/ge-requirements.

Note: This is an exception to the Certificate of Achievement-Advanced Requirements. The requirements are stated within the description.

Total Units Required: 51-62

Associate in Arts (A.A.) Degree

Liberal Arts (Arts and Letters Emphasis)

Program Description

Designed primarily for students who plan on transferring to the University of California or California State University, the associate degree in Liberal Arts represents the completion of a broad area of study with an emphasis in one of the following four areas: Arts and Letters; Business and Computer Information Systems; Science, Math and Engineering; or Social and Behavioral Sciences. The degree allows the student to develop a broad set of essential life and work competencies such as communication, critical thinking, problem solving, quantitative reasoning and multicultural skills. Students complete a minimum of 27 units from one of the four emphasis areas, the A.A. degree General Education requirements and the A.A./A.S. degree requirements noted in the campus catalog. Courses used for the 27-unit emphasis area requirement may not be used to satisfy the General Education requirements. Note: Students are limited to earning one Liberal Arts degree.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate the use of effective language and speech communication skills
- Analyze and solve problems by using thoughtful and logical reasoning skills
- Recognize and value the complexities of living in a multicultural world by demonstrating an appreciation of diversity in its many forms
- Display behaviors that promote the mental and physical well-being of self and others
- Identify basic and foundational theories, concepts and practices in the comprehensive area of emphasis

Program Requirements

Courses	Units
AFAM 11 Sankofa: The Roots of the African American Experience	4
ARTS 1A Introduction to the Visual Arts	4
ARTS 1B Architecture Past and Present	4
ARTS 2A History of Art: Europe from Prehistory through Early Christianity	4
ARTS 2B History of Art: Europe During the Middle Ages and the Renaissance	4
ARTS 2C History of Art: Europe from the Baroque Period Through Impressionism	4
ARTS 2D History of Art: Europe and the United States from Post-Impressionism to the Present	4
ARTS 2F History of Art (Multicultural Arts in the United States)	4
ARTS 2G History of Art: Arts of Asia	4
ARTS 2H History of Art: Native Arts of Mesoamerica and the Andes	4
ARTS 2J History of Art: Arts of Africa, Oceania and Native North America	4
ARTS 3TC Women and Art	4
ARTS 3TE Today's Art Scene	4
ARTS 4A Beginning Drawing	4
ARTS 4B Intermediate Drawing	4
ARTS 4C Life Drawing	4
ARTS 4D Representational Drawing	4
ARTS 8 Two-Dimensional Design	4
ARTS 10A Three-Dimensional Design	4
ARTS 10B Intermediate Three-Dimensional Design	4
ARTS 12 Design and Color	4
ARTS 14A Watercolor Painting I	4
ARTS 14B Watercolor Painting II	4
ARTS 14C Watercolor Painting III	4
ARTS 15A Acrylic Painting I	4
ARTS 15B Acrylic Painting II	4
ARTS 15C Acrylic Painting III	4
ARTS 16A Oil Painting I	4
ARTS 16B Oil Painting II	4
ARTS 16C Oil Painting III	4
ARTS 18A Ceramics	4
ARTS 18B Ceramics (Beginning Wheel Throwing)	4
ARTS 18C Ceramics (Intermediate Wheel Throwing)	4

Courses	Units
ARTS 18D Ceramics Hand Building	4
ARTS 18E Ceramics (Advanced Wheel Throwing)	4
ARTS 19H Ceramics Raku	4
ARTS 19J Ceramics Techniques	4
ARTS 19K Ceramics Decoration	4
ARTS 19M Ceramics Low Fire	4
ARTS 20 Ceramics Individual Laboratory	2
ARTS 37A Sculpture	4
ARTS 37B Intermediate Sculpture	4
ARTS 37C Advanced Sculpture	4
ARTS 54 Introduction to Graphic Design: Digital Imaging	4
ARTS 55A Graphic Design-Communication I	4
ARTS 55B Graphic Design-Communication II	4
ARTS 55C Graphic Design-Communication III: Production Techniques	4
ARTS 56 Graphic Design: Page Layout for Digital Publishing	4
ARTS 57 Graphic Design-Communication: Typography	4
ARTS 58A Furniture Design	4
ARTS 58B Intermediate Furniture Design	4
ARTS 58C Advanced Furniture Design	4
ARTS 63 Graphic Design: Portfolio and Business Practices	4
ARTS 65 Graphic Design: UI/UX and the World Wide Web	4
ARTS 70 Viewing Bay Area Art Museums and Galleries	1
ARTS 71 Gallery and Exhibition Design	4
ARTS 72 Internship in Art	1
ARTS 85 Graphic Design: Motion Graphics	4
ARTS 86 Graphic Design: Digital Illustration Techniques	4
ASAM 20 Asian Pacific American Literature	4
ASAM 32 Vietnamese Literature from Traditional to Asian American Expressions	4
ASAM 40 History of Art: Arts of Asia	4
ASAM 41 Introduction to Korean Popular Culture	4

Courses	Units
CETH 13 History of Art (Multicultural Arts in the United States)	4
CHLX 13 The Chicanx and Latinx and the Arts	4
COMM 1 Public Speaking or COMM 1H Public Speaking - HONORS	5
COMM 8 Argumentation and Critical Inquiry in Oral Communication or COMM 8H Argumentation and Critical Inquiry in Oral Communication - HONORS	5
COMM 9 Argumentation: Analysis of Oral and Written Communication or COMM 9H Argumentation: Analysis of Oral and Written Communication - HONORS	5
COMM 10 Fundamentals of Oral Communication or COMM 10H Fundamentals of Oral Communication - HONORS	5
COMM 15 Critical Decision-Making in Groups or COMM 15H Critical Decision-Making in Groups - HONORS	5
DANC 22 Body Awareness and Conditioning for Dancers	1
DANC 22K Theory and Technique of Ballet I	1
DANC 22M Theory and Technique of Ballet III	1
DANC 23A Theory and Technique of Contemporary (Modern) Dance I	1
DANC 23L Theory and Technique of Hip-Hop I (Popular American Dance)	1
DANC 23M Theory and Technique of Hip-Hop II (Popular American Dance II)	1
DANC 23N Theory and Technique of Hip-Hop III (Popular American Dance III)	1
DANC 24A Theory and Technique of Social Dance I	1
DANC 25A Theory and Technique of Salsa Dance I	1
DANC 25B Theory and Technique of Salsa Dance II	1
DANC 27A Ballet Workshop (Student Productions)	2
DANC 27B Contemporary Modern Dance Workshop (Student Productions)	2
DANC 27C Popular Dance (Jazz, Hip-Hop) Workshop (Student Productions)	2
DANC 27D Social Dance Workshop (Student Productions)	2
DANC 37A Theory and Technique of Jazz Dance I	1
DANC 38A Appreciation of Dance	4

Courses	Units
ES 3 Imagery of the Environment	4
ES 4 Energy, the Environment, and Society	4
ES 51A Sustainable Energy Systems	4
ES 51B Energy Efficient Buildings	3
ELIT 8 Children's Literature	4
ELIT 10 Introduction to Fiction or ELIT 10H Introduction to Fiction - HONORS	4
ELIT 11 Introduction to Poetry	4
ELIT 12 Introduction to Dramatic Literature	4
ELIT 17 Introduction to Shakespeare or ELIT 17H Introduction to Shakespeare - HONORS	4
ELIT 19 Introduction to the Bible as Literature	4
ELIT 21 Women in Literature	4
ELIT 22 Mythology and Folklore	4
ELIT 24 Asian Pacific American Literature	4
ELIT 28 Young Adult Literature	4
ELIT 38 Utopian/Dystopian Literature	4
ELIT 39 Contemporary Literature	4
ELIT 40 African American Literature	4
ELIT 41 Ethnic Literature of the United States or ELIT 41H Ethnic Literature of the United States - HONORS	4
ELIT 46A Major British Writers (Medieval and Renaissance) or ELIT 46AH Major British Writers (Medieval and Renaissance) - HONORS	4
ELIT 46B Major British Writers (Neo-Classical and Romantic) or ELIT 46BH Major British Writers (Neo-Classical and Romantic) - HONORS	4
ELIT 46C Major British Writers (Victorian and Modern) or ELIT 46CH Major British Writers (Victorian and Modern) - HONORS	4
ELIT 47A World Literature: Antiquity to the 1500s	4
ELIT 47B World Literature: Africa and Latin America	4
ELIT 48A Major American Writers (Colonial to Romantic, 1620-1865) or ELIT 48AH Major American Writers (Colonial to Romantic, 1620-1865) - HONORS	4
ELIT 48B Major American Writers (The Advent of Realism, 1865-1914) or ELIT 48BH Major American Writers (The Advent of Realism, 1865-1914) - HONORS	4
ELIT 48C Major American Writers (The Modern Age, 1914-the Present) or ELIT 48CH Major American Writers (The Modern Age, 1914-the Present) - HONORS	4
ESL 6 Critical Reading and Research for Writing	5
EWRT 1B Reading, Writing and Research or EWRT 1BH Reading, Writing and Research - HONORS	5
EWRT 1C Literature and Composition	5
EWRT 2 Critical Reading, Writing and Thinking or EWRT 2H Critical Reading, Writing and Thinking - HONORS	5
EWRT 30 Introduction to Creative Writing	5
EWRT 40 Fiction Writing	5
EWRT 41 Poetry Writing	5
EWRT 42 Introduction to Creative Nonfiction and Memoir Writing	5
F/TV 1 Introduction to Cinematic Arts or F/TV 1H Introduction to Cinematic Arts - HONORS	4
F/TV 2A History of Cinema (1895-1950) or F/TV 2AH History of Cinema (1895-1950) - HONORS	4
F/TV 2AW History of Cinema (1895-1950) or F/TV 2AWH History of Cinema (1895-1950) - HONORS	4.5
F/TV 2B History of Cinema (1950-Present) or F/TV 2BH History of Cinema (1950-Present) - HONORS	4
F/TV 2BW History of Cinema (1950-Present) or F/TV 2BWH History of Cinema (1950-Present) - HONORS	4.5
F/TV 2C Contemporary World Cinema or F/TV 2CH Contemporary World Cinema - HONORS	4
F/TV 2CW Contemporary World Cinema or F/TV 2CWH Contemporary World Cinema - HONORS	4.5
F/TV 20 Beginning Video Production	4
F/TV 41 Film Genres	4
F/TV 42 National Cinemas	4
F/TV 43 Film Artists	4
F/TV 66A Basic Techniques of Animation: Stop Motion	3
F/TV 67A Principles of Animation: 2D Media	4
F/TV 71H Introduction to 3D Computer Animation: Character Motion	4
F/TV 75G History of Animation (1900-Present)	4
F/TV 75K Japanese Animation	4
FREN 1 Elementary French (First Quarter)	5

Courses	Units
FREN 2 Elementary French (Second Quarter)	5
FREN 3 Elementary French (Third Quarter)	5
GERM 1 Elementary German (First Quarter)	5
GERM 2 Elementary German (Second Quarter)	5
GERM 3 Elementary German (Third Quarter)	5
GERM 4 Intermediate German (First Quarter)	5
HNDI 1 Elementary Hindi (First Quarter)	5
HNDI 2 Elementary Hindi (Second Quarter)	5
HNDI 3 Elementary Hindi (Third Quarter)	5
HIST 6A History of Western Civilization: Pre-History to 750 C.E. or HIST 6AH History of Western Civilization: Pre-History to 750 C.E. - HONORS	4
HIST 6B History of Western Civilization: 750 C.E. to 1750 C.E. or HIST 6BH History of Western Civilization: 750 C.E. to 1750 C.E. - HONORS	4
HIST 6C History of Western Civilization: 1750 C.E. to Present or HIST 6CH History of Western Civilization: 1750 C.E. to Present - HONORS	4
HUMI 1 Creative Minds or HUMI 1H Creative Minds - HONORS	4
HUMI 2 But is it Art? Questions and Criticism	4
HUMI 5 Storytelling in American Culture	4
HUMI 6 Popular Culture	4
HUMI 7 The Arts and the Human Spirit	4
HUMI 9 Introduction to Comparative Religion or HUMI 9H Introduction to Comparative Religion - HONORS	4
HUMI 10 Global Religious Perspectives: Judaism, Christianity and Islam	4
HUMI 13 Introduction to Korean Popular Culture	4
HUMI 15 Discussion on the Arts	4
HUMI 16 Arts, Ideas and Values	4
HUMI 18 History as Mystery: A Critique of Western Perspectives in a Global Context or HUMI 18H History as Mystery: A Critique of Western Perspectives in a Global Context - HONORS	4
HUMI 20 The Greek Achievement	4
ICS 35 Chicano/a, Latino/a Literature	4
ICS 47 Introduction to Disability Studies	4
INTL 16 Multicultural Voices in Germany	4

Courses	Units
INTL 21 History of Art: Native Arts of Mesoamerica and the Andes	4
INTL 22 History of Art: Arts of Africa, Oceania and Native North America	4
ITAL 1 Elementary Italian (First Quarter)	5
ITAL 2 Elementary Italian (Second Quarter)	5
ITAL 3 Elementary Italian (Third Quarter)	5
JAPN 1 Elementary Japanese (First Quarter)	5
JAPN 2 Elementary Japanese (Second Quarter)	5
JAPN 3 Elementary Japanese (Third Quarter)	5
JAPN 4 Intermediate Japanese (First Quarter)	5
JAPN 5 Intermediate Japanese (Second Quarter)	5
JAPN 6 Intermediate Japanese (Third Quarter)	5
JOUR 2 Media and Its Impact On Society	4
JOUR 21A News Writing and Reporting	3
JOUR 21B Feature Writing and Reporting	3
JOUR 80 Introduction to Public Relations	4
KORE 1 Elementary Korean (First Quarter)	5
KORE 2 Elementary Korean (Second Quarter) or KORE 2H Elementary Korean (Second Quarter) - HONORS	5
KORE 3 Elementary Korean (Third Quarter) or KORE 3H Elementary Korean (Third Quarter) - HONORS	5
LING 1 Introduction to Linguistics	4
MAND 1 Elementary Mandarin (First Quarter)	5
MAND 2 Elementary Mandarin (Second Quarter)	5
MAND 3 Elementary Mandarin (Third Quarter)	5
MAND 4 Intermediate Mandarin (First Quarter)	5
MAND 5 Intermediate Mandarin (Second Quarter)	5
MAND 6 Intermediate Mandarin (Third Quarter)	5
MUSI 1A Music Appreciation: Music in Western Cultures	4
MUSI 1B Music Appreciation: Jazz Styles	4
MUSI 1C Music Appreciation: World Music in America	4
MUSI 1D Music Appreciation: Rock - From Roots to Rap	4
MUSI 2 Music Fundamentals	3
MUSI 3A Comprehensive Musicianship (First Quarter)	4

Courses	Units
MUSI 3B Comprehensive Musicianship (Second Quarter)	4
MUSI 3C Comprehensive Musicianship (Third Quarter)	4
MUSI 4A Comprehensive Musicianship II (First Quarter)	4
MUSI 4B Comprehensive Musicianship II (Second Quarter)	4
MUSI 4C Comprehensive Musicianship II (Third Quarter)	4
MUSI 8 Intermediate Electronic Music	3
MUSI 9A Jazz Piano I	1.5
MUSI 12A Class Piano I	1.5
MUSI 12B Class Piano II	1.5
MUSI 12C Class Piano III	1.5
MUSI 13A Beginning Singing I	1.5
MUSI 13B Beginning Singing II	1.5
MUSI 13C Beginning Singing III	1.5
MUSI 14A Classical Guitar I	1.5
MUSI 14B Classical Guitar II	1.5
MUSI 14C Classical Guitar III	1.5
MUSI 14D Classical Guitar IV	1.5
MUSI 15A Guitar Ensemble I	2
MUSI 15B Guitar Ensemble II	2
MUSI 16A Beginning Acoustic Guitar	1.5
MUSI 16B Jazz, Blues and Popular Guitar	1.5
MUSI 17 Beginning Guitar	1.5
MUSI 18A Intermediate Piano I	1.5
MUSI 18B Intermediate Piano II	1.5
MUSI 18C Intermediate Piano III	1.5
MUSI 20 De Anza Chorale	2
MUSI 21 Vintage Singers	2
MUSI 22 Early Music Study and Performance	2
MUSI 25 Applied Music	1
MUSI 31 Chamber Orchestra	2
MUSI 34 Jazz Ensemble	2
MUSI 42 Concert Band	2
MUSI 44A Composition and Arranging - Level I	1.5

Courses	Units
MUSI 45 Jazz Combos	2
MUSI 48A Jazz Improvisation I	1.5
MUSI 48B Jazz Improvisation II	1.5
MUSI 48C Jazz Improvisation III	1.5
MUSI 51 Introduction to Electronic Music	3
MUSI 53 Music Business	3
MUSI 58A Beginning African and African-Influenced Percussion and Rhythms	1.5
MUSI 58B Intermediate African and African-Influenced Percussion and Rhythms	1.5
NAIS 13 Survey of Native American Arts	4
NAIS 14 Native American Religious Traditions	4
NAIS 15 Native American Literature	4
PERS 1 Elementary Persian (First Quarter)	5
PERS 2 Elementary Persian (Second Quarter)	5
PERS 3 Elementary Persian (Third Quarter)	5
PHIL 1 Introduction to Philosophy	4
PHIL 2 Social and Political Philosophy	4
PHIL 3 Critical Thinking and Writing	5
PHIL 4 Critical Thinking	4
PHIL 7 Deductive Logic or PHIL 7H Deductive Logic - HONORS	4
PHIL 8 Ethics or PHIL 8H Ethics - HONORS	4
PHIL 11 Asian Philosophy	4
PHIL 20A History of Western Philosophy - Ancient Greece	4
PHIL 20B History of Western Philosophy - 1400-1800	4
PHIL 20C History of Western Philosophy - 1800-the Present	4
PHIL 24 Philosophy of Religion	4
PHIL 30 Introduction to Existentialism	4
PHIL 49 Women and Philosophy	4
PHTG 1 Basic Photography	3
PHTG 2 Intermediate Photography	3
PHTG 3 Advanced Photography	3
PHTG 4 Introduction to Digital Photography	3

Courses	Units
PHTG 5 Intermediate Digital Photography	3
PHTG 6 Photography Production Laboratory	2
PHTG 7 Exploring Visual Expression	4
PHTG 21 Contemporary Trends in Photography	4
PHTG 54 Experimental Photography	3
PHTG 57A Commercial Lighting I	3
PHTG 57B Commercial Lighting II	3
PHTG 58A Photographic Photoshop I	3
PHTG 58B Photographic Photoshop II	3
PHTG 60 Using a Digital Camera	2
RUSS 1 Elementary Russian (First Quarter)	5
RUSS 2 Elementary Russian (Second Quarter)	5
RUSS 3 Elementary Russian (Third Quarter)	5
SIGN 1 Elementary American Sign Language (First Quarter)	5
SIGN 2 Elementary American Sign Language (Second Quarter)	5
SIGN 3 Elementary American Sign Language (Third Quarter)	5
SPAN 1 Elementary Spanish (First Quarter)	5
SPAN 2 Elementary Spanish (Second Quarter)	5
SPAN 3 Elementary Spanish (Third Quarter)	5
SPAN 4 Intermediate Spanish (First Quarter)	5
SPAN 5 Intermediate Spanish (Second Quarter)	5
SPAN 6 Intermediate Spanish (Third Quarter)	5
THEA 1 Appreciation of Theatre	4
THEA 20A Theory and Technique of Acting (Introduction)	4
THEA 20B Theory and Technique of Acting (Modern Period)	4
THEA 20C Theory and Technique of Acting (Classic Period)	4
VIET 1 Elementary Vietnamese (First Quarter)	5
VIET 2 Elementary Vietnamese (Second Quarter)	5
VIET 3 Elementary Vietnamese (Third Quarter)	5
VIET 4 Intermediate Vietnamese (First Quarter)	5
VIET 5 Intermediate Vietnamese (Second Quarter)	5
VIET 6 Intermediate Vietnamese (Third Quarter)	5
WMST 3C Women and Art	4
WMST 21 Women in Literature	4
WMST 49 Women and Philosophy	4

Major Units Required	27
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts (A.A.) Degree

Liberal Arts (Business and Computer Information Systems Emphasis)

Program Description

Designed primarily for students who plan on transferring to the University of California or California State University, the associate degree in Liberal Arts represents the completion of a broad area of study with an emphasis in one of the following four areas: Arts and Letters; Business and Computer Information Systems; Science, Math and Engineering; or Social and Behavioral Sciences. The degree allows the student to develop a broad set of essential life and work competencies such as communication, critical thinking, problem solving, quantitative reasoning and multicultural skills. Students complete a minimum of 27 units from one of the four emphasis areas, the A.A. degree General Education requirements and the A.A./A.S. degree requirements noted in the campus catalog. Courses used for the 27-unit emphasis area requirement may not be used to satisfy the General Education requirements. Note: Students are limited to earning one Liberal Arts degree.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate the use of effective language and speech communication skills
- Analyze and solve problems by using thoughtful and logical reasoning skills
- Recognize and value the complexities of living in a multicultural world by demonstrating an appreciation of diversity in its many forms

- Display behaviors that promote the mental and physical well-being of self and others
- Identify basic and foundational theories, concepts and practices in the comprehensive area of emphasis

Program Requirements

Courses	Units
ACCT 1A Financial Accounting I or ACCT 1AH Financial Accounting I - HONORS	5
ACCT 1B Financial Accounting II or ACCT 1BH Financial Accounting II - HONORS	5
ACCT 1C Managerial Accounting or ACCT 1CH Managerial Accounting - HONORS	5
ACCT 51A Intermediate Accounting	5
ACCT 51B Intermediate Accounting	5
ACCT 52 Advanced Accounting	5
ACCT 58 Auditing	5
ACCT 64 Payroll and Business Tax Accounting	4
ACCT 66 Cost Accounting	5
ACCT 67 Individual Income Taxation	5
ACCT 68 Advanced Tax Accounting	5
ACCT 74 Accounting Ethics	5
ACCT 75 Accounting for Government and Nonprofit Entities	5
ACCT 87 Series ACCT 87AH-87AM Computerized Accounting Programs I	2
ACCT 88 Excel Spreadsheets for Accounting	2
BUS 10 Introduction to Business	5
BUS 18 Business Law I	5
BUS 21 Business and Society	5
BUS 54 Business Mathematics	5
BUS 55 Introduction to Entrepreneurship	5
BUS 56 Human Relations in the Workplace	5
BUS 57 Human Resource Management	5
BUS 58 The Business Plan	4
BUS 60 International Business Management	5
BUS 65 Leadership	5
BUS 70 Principles of E-Commerce	5
BUS 73 International Marketing	5
BUS 85 Business Communication	3
BUS 87 Introduction to Selling	4
BUS 89 Advertising	5
BUS 90 Principles of Marketing	5
BUS 91 Introduction to Personal Finance	4
BUS 94 Social Media Marketing Strategies	5
BUS 96 Principles of Management	5
CIS 2 Computers and the Internet in Society	4
CIS 3 Business Information Systems	4.5
CIS 4 Computer Literacy	4.5
CIS 14A Visual Basic .NET Programming I	4.5
CIS 14B Visual Basic .NET Programming II	4.5
CIS 18A Introduction to Unix/Linux	4.5
CIS 18B Advanced UNIX/LINUX	4.5
CIS 18C Bash Scripting	4.5
CIS 21JA Introduction to x86 Processor Assembly Language and Computer Architecture	4.5
CIS 21JB Advanced x86 Processor Assembly Programming	4.5
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5
CIS 22C Data Abstraction and Structures or CIS 22CH Data Abstraction and Structures - HONORS	4.5
CIS 26A C as a Second Programming Language	4.5
CIS 26B Advanced C Programming or CIS 26BH Advanced C Programming - HONORS	4.5
CIS 27 Programming in C++ for C/Java Programmers	4.5
CIS 28 Object Oriented Analysis and Design	4.5
CIS 29 Advanced C++ Programming	4.5
CIS 30A Introduction to C# Programming	4.5
CIS 30B Advanced C# Programming	4.5
CIS 31 Operating System Concepts	5
CIS 33A Programming in PERL	4.5

Courses	Units
CIS 35A Java Programming	4.5
CIS 35B Advanced Java Programming	4.5
CIS 36A Introduction to Computer Programming Using Java	4.5
CIS 36B Intermediate Problem Solving in Java	4.5
CIS 37 Java for Mobile Development	4.5
CIS 38 iOS Development	4.5
CIS 40 Introduction to Programming in Python	4.5
CIS 41A Python Programming	4.5
CIS 41B Advanced Python Programming	4.5
CIS 43 Systems Design	4.5
CIS 44A Database Management Systems	4.5
CIS 44F Introduction to Big Data and Analytics	4
CIS 45A Internet Concepts and TCP/IP Protocols	5
CIS 46 Fundamentals of Digital Security	4.5
CIS 50 Introduction to Computers, Data Processing, and Applications	3
CIS 57 Website Administration	4.5
CIS 64B Introduction to SQL	4.5
CIS 64C Introduction to PL/SQL	4.5
CIS 64E Fundamentals of Large Scale Cloud Computing	4
CIS 66 Introduction to Data Communication and Networking	5
CIS 67A Local Area Networks	4
CIS 67B Introduction to Wide Area Networking	4
CIS 73 Unix/Linux Systems Programming	4.5
CIS 74 Software Quality Assurance	4.5
CIS 75B Internet Programming with TCP/IP	4.5
CIS 79 Managing Technology Projects	4.5
CIS 89A Web Page Development	4.5
CIS 89C Client-Side Programming with JavaScript	4.5
CIS 98 Digital Image Editing Software (Photoshop)	4.5
CIS 99 Office Software Applications	4.5
COMM 70 Organizational Communication or COMM 70H Organizational Communication - HONORS	5

Courses	Units
ES 62A Environmental Management Tools: Environmental Management Systems and Environmental Performance Reporting	4
ES 62B Environmental Management Tools: CEQA and Environmental Impact Reports (EIRs)	4
ES 62C Environmental Management Tools: Environmental Site Assessments (ESAs)	4
ES 69 Energy Management Within Your Organization	1
ES 69A Introduction to Facilities Management	3
ECON 1 Principles of Macroeconomics or ECON 1H Principles of Macroeconomics - HONORS	4
ECON 2 Principles of Microeconomics or ECON 2H Principles of Microeconomics - HONORS	4
ECON 3 Environmental Economics or ECON 3H Environmental Economics - HONORS	4
ECON 4 Economics of Public Issues	4
ECON 5 Behavioral Economics	4
LIB 1 Library Research Skills	1
LIB 51 Business Resources on the Internet	1
LIB 53 Advanced Internet Searching	1
MATH 1A Calculus or MATH 1AH Calculus - HONORS	5
MATH 1B Calculus or MATH 1BH Calculus - HONORS	5
MATH 1C Calculus or MATH 1CH Calculus - HONORS	5
MATH 1D Calculus or MATH 1DH Calculus - HONORS	5
MATH 10 Introductory Statistics or MATH 10H Introductory Statistics - HONORS	5
MATH 11 Finite Mathematics or MATH 11H Finite Mathematics - HONORS	5
MATH 12 Introductory Calculus for Business and Social Science	5
MATH 17 Integrated Statistics 2	5
REST 50 Real Estate Principles	4
REST 51 Real Estate Practices	4
REST 52A Legal Aspects of Real Estate	4
REST 53 Real Estate Finance	4
REST 61 Real Estate Investments	4

Major Units Required 27

General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units

Total Units Required 90

Associate in Arts (A.A.) Degree

Liberal Arts (Science, Math and Engineering Emphasis)

Program Description

Designed primarily for students who plan on transferring to the University of California or California State University, the associate degree in Liberal Arts represents the completion of a broad area of study with an emphasis in one of the following four areas: Arts and Letters; Business and Computer Information Systems; Science, Math and Engineering; or Social and Behavioral Sciences. The degree allows the student to develop a broad set of essential life and work competencies such as communication, critical thinking, problem solving, quantitative reasoning and multicultural skills. Students complete a minimum of 27 units from one of the four emphasis areas, the A.A. degree General Education requirements and the A.A./A.S. degree requirements noted in the campus catalog. Courses used for the 27-unit emphasis area requirement may not be used to satisfy the General Education requirements. Note: Students are limited to earning one Liberal Arts degree.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate the use of effective language and speech communication skills
- Analyze and solve problems by using thoughtful and logical reasoning skills
- Recognize and value the complexities of living in a multicultural world by demonstrating an appreciation of diversity in its many forms
- Display behaviors that promote the mental and physical well-being of self and others
- Identify basic and foundational theories, concepts and practices in the comprehensive area of emphasis

Program Requirements

Courses	Units
ANTH 1 Physical Anthropology	4
ANTH 1H Physical Anthropology - Honors	4
ANTH 1L Physical Anthropology Laboratory	1
ANTH 5 Magic, Science and Religion	4
ASTR 4 Solar System Astronomy	5
ASTR 10 Stellar Astronomy	5
BIOL 6A Form and Function in the Biological World or BIOL 6AH Form and Function in the Biological World - HONORS	6
BIOL 6B Cell and Molecular Biology	6
BIOL 6C Ecology and Evolution or BIOL 6CH Ecology and Evolution - HONORS	6
BIOL 10 Introductory Biology or BIOL 10H Introductory Biology - HONORS	5
BIOL 11 Human Biology	5
BIOL 13 Marine Biology	5
BIOL 15 California Ecology	5
BIOL 26 Introductory Microbiology	6
BIOL 40A Human Anatomy and Physiology	5
BIOL 40B Human Anatomy and Physiology	5
BIOL 40C Human Anatomy and Physiology	5
BIOL 45 Introduction to Human Nutrition	4
BIOL 54G Applied Human Anatomy and Physiology: Levels of Organization	1.5
BIOL 54H Applied Human Anatomy and Physiology: Support, Movement, and Integration	1.5
BIOL 54I Applied Human Anatomy and Physiology: Coordination and Transport	1.5
BIOL 54J Applied Human Anatomy and Physiology: Absorption, Excretion, and Reproduction	1.5
CHEM 1A General Chemistry or CHEM 1AH General Chemistry - HONORS	5
CHEM 1B General Chemistry or CHEM 1BH General Chemistry - HONORS	5
CHEM 1C General Chemistry and Qualitative Analysis or CHEM 1CH General Chemistry and Qualitative Analysis - HONORS	5
CHEM 10 Introductory Chemistry	5
CHEM 12A Organic Chemistry	5
CHEM 12B Organic Chemistry	5
CHEM 12C Organic Chemistry	5

Courses	Units
CHEM 25 Preparation Course for General Chemistry	5
CHEM 30A Introduction to General, Organic and Biochemistry I	5
CHEM 30B Introduction to General, Organic and Biochemistry II	5
CIS 2 Computers and the Internet in Society	4
CIS 3 Business Information Systems	4.5
CIS 5 Swift Programming	4.5
CIS 14A Visual Basic .NET Programming I	4.5
CIS 14B Visual Basic .NET Programming II	4.5
CIS 18A Introduction to Unix/Linux	4.5
CIS 18B Advanced UNIX/LINUX	4.5
CIS 18C Bash Scripting	4.5
CIS 21JA Introduction to x86 Processor Assembly Language and Computer Architecture	4.5
CIS 21JB Advanced x86 Processor Assembly Programming	4.5
CIS 22A Beginning Programming Methodologies in C++	4.5
CIS 22B Intermediate Programming Methodologies in C++ or CIS 22BH Intermediate Programming Methodologies in C++ - HONORS	4.5
CIS 22C Data Abstraction and Structures or CIS 22CH Data Abstraction and Structures - HONORS	4.5
CIS 26A C as a Second Programming Language	4.5
CIS 26B Advanced C Programming or CIS 26BH Advanced C Programming - HONORS	4.5
CIS 27 Programming in C++ for C/Java Programmers	4.5
CIS 28 Object Oriented Analysis and Design	4.5
CIS 29 Advanced C++ Programming	4.5
CIS 30A Introduction to C# Programming	4.5
CIS 30B Advanced C# Programming	4.5
CIS 31 Operating System Concepts	5
CIS 33A Programming in PERL	4.5
CIS 35A Java Programming	4.5
CIS 35B Advanced Java Programming	4.5
CIS 36A Introduction to Computer Programming Using Java	4.5
CIS 36B Intermediate Problem Solving in Java	4.5
CIS 37 Java for Mobile Development	4.5
CIS 40 Introduction to Programming in Python	4.5
CIS 41A Python Programming	4.5
CIS 41B Advanced Python Programming	4.5
CIS 43 Systems Design	4.5
CIS 44A Database Management Systems	4.5
CIS 45A Internet Concepts and TCP/IP Protocols	5
CIS 50 Introduction to Computers, Data Processing, and Applications	3
CIS 57 Website Administration	4.5
CIS 64B Introduction to SQL	4.5
CIS 64C Introduction to PL/SQL	4.5
CIS 66 Introduction to Data Communication and Networking	5
CIS 67A Local Area Networks	4
CIS 67B Introduction to Wide Area Networking	4
CIS 73 Unix/Linux Systems Programming	4.5
CIS 74 Software Quality Assurance	4.5
CIS 75B Internet Programming with TCP/IP	4.5
CIS 79 Managing Technology Projects	4.5
CIS 89A Web Page Development	4.5
CIS 89C Client-Side Programming with JavaScript	4.5
ES 2 Introduction to Sustainability	4
ES 50 Introduction to Environmental Resource Management and Pollution Prevention	4
ES 56 Introduction to Environmental Health	4
ES 58 Introduction to Green Building	1
ES 64 Climate Change Mitigation and Adaptation in California	4
EDUC 46 Mathematics for Elementary Education	5
ENGR 10 Introduction to Engineering	4.5
ENGR 35 Statics	4
ENGR 37 Introduction to Circuit Analysis	5
ESCI 1 Environmental Science	4
ESCI 1L Environmental Science Laboratory	1

Courses	Units
ESCI 19 Environmental Biology	5
ESCI 21 Practices of Environmental Stewardship	5
ESCI 30 Introduction to Conservation Biology	5
ESCI 60 Restoration Ecology	5
GEO 1 Physical Geography	4
GEO 5 A Geography of California	4
GEOL 10 Introductory Geology	5
GEOL 20 General Oceanography	4
HLTH 21 Contemporary Health Concerns	4
KNES 45 Introduction to Kinesiology	5
KNES 53 Health and Fitness	5
MATH 1A Calculus or MATH 1AH Calculus - HONORS	5
MATH 1B Calculus or MATH 1BH Calculus - HONORS	5
MATH 1C Calculus or MATH 1CH Calculus - HONORS	5
MATH 1D Calculus or MATH 1DH Calculus - HONORS	5
MATH 2A Differential Equations or MATH 2AH Differential Equations - HONORS	5
MATH 2B Linear Algebra or MATH 2BH Linear Algebra - HONORS	5
MATH 10 Introductory Statistics or MATH 10H Introductory Statistics - HONORS /td>	5
MATH 11 Finite Mathematics or MATH 11H Finite Mathematics - HONORS	5
MATH 12 Introductory Calculus for Business and Social Science	5
MATH 17 Integrated Statistics 2	5
MATH 22 Discrete Mathematics or MATH 22H Discrete Mathematics - HONORS	5
MATH 23 Engineering Statistics	5
MATH 31 Precalculus I or MATH 31H Precalculus I - HONORS	5
MATH 31A Precalculus I (Part 1)	2.5
MATH 31B Precalculus I (Part 2)	2.5
MATH 32 Precalculus II or MATH 32H Precalculus II - HONORS	5
MATH 44 Mathematics in Art, Culture, and Society: A Liberal Arts Math Class	5
MATH 46 Mathematics for Elementary Education	5
MET 10 Weather and Climate Processes	5
MET 10L Meteorology Laboratory	1
MET 12 Introduction to Climate Change	5
MET 20L Climate Change Laboratory	1
NUTR 10 Contemporary Nutrition	4
PHYS 2A General Introductory Physics	5
PHYS 2B General Introductory Physics	5
PHYS 2C General Introductory Physics	5
PHYS 4A Physics for Scientists and Engineers: Mechanics	6
PHYS 4B Physics for Scientists and Engineers: Electricity and Magnetism	6
PHYS 4C Physics for Scientists and Engineers: Fluids, Waves, Optics and Thermodynamics	6
PHYS 4D Physics for Scientists and Engineers: Modern Physics	6
PHYS 10 Concepts of Physics	5
PHYS 50 Preparatory Physics	4

Major Units Required	27
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts (A.A.) Degree

Liberal Arts (Social and Behavioral Sciences Emphasis)

Program Description

Designed primarily for students who plan on transferring to the University of California or California State University, the associate degree in Liberal Arts represents the completion of a broad area of study with an emphasis in one of the following four areas: Arts and Letters; Business and Computer Information Systems; Science, Math and Engineering; or Social and Behavioral Sciences. The degree allows the student to develop a broad set of essential life and work

competencies such as communication, critical thinking, problem solving, quantitative reasoning and multicultural skills. Students complete a minimum of 27 units from one of the four emphasis areas, the A.A. degree General Education requirements and the A.A./A.S. degree requirements noted in the campus catalog. Courses used for the 27-unit emphasis area requirement may not be used to satisfy the General Education requirements. Note: Students are limited to earning one Liberal Arts degree.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate the use of effective language and speech communication skills
- Analyze and solve problems by using thoughtful and logical reasoning skills
- Recognize and value the complexities of living in a multicultural world by demonstrating an appreciation of diversity in its many forms
- Display behaviors that promote the mental and physical well-being of self and others
- Identify basic and foundational theories, concepts and practices in the comprehensive area of emphasis

Program Requirements

Courses	Units
ADMJ 1 Introduction to Administration of Justice	4
ADMJ 3 Concepts of Criminal Law (CP 2)	4
ADMJ 5 Community Relations	4
ADMJ 6 Crime, Correction and Society	4
ADMJ 11 Federal Courts and Constitutional Law	4
ADMJ 25 Law and Social Change	4
ADMJ 29 Ethnic Studies, Cultural Pluralism, and American Law and Justice	4
ADMJ 51 Women in Crime	4
ADMJ 53 California-Specific Criminal Law	4
ADMJ 54 Youth and the Law	4
ADMJ 55 Alcohol, Narcotics and Drug Abuse	4
ADMJ 56 Practical Writing for Administration of Justice	4
ADMJ 61 Criminal Investigation	4
ADMJ 62 Sexual Assault, Police and Community Response	4
ADMJ 73 Crime and Criminology	4
ADMJ 74A Interviewing, Interrogation and Crisis Intervention	4
ADMJ 75 Principles and Procedures of the Justice System	4
ADMJ 78 Correctional Investigation	4
ADMJ 84 Forensic Science	4
ADMJ 90A Legal Aspects of Evidence (CP 4)	4
ADMJ 95 Overview of American Law	4
AFAM 10 An Introduction to African American Studies	4
AFAM 11 Sankofa: Roots of the African American Experience	4
AFAM 12A African American History to 1865	4
AFAM 12B African American History Since 1865	4
AFAM 25 Introduction to Black Feminism	4
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
ANTH 3 Introduction to Archaeology	4
ANTH 4 World Prehistory	4
ANTH 6 Linguistic Anthropology	4
ANTH 8 Medical Anthropology: Methods and Practice	4
ANTH 12 Introduction to Applied Anthropology	4
ANTH 68 Anthropology and Museums	4
ARTS 3TC Women and Art	4
ASAM 1 Asian American Experiences Past to Present	4
ASAM 10 Contemporary Asian American Communities	4
ASAM 11 Asian Americans and Racism	4
ASAM 12 Asian Americans and American Ideals, Institutions and Politics	4
ASAM 13 Asian Americans and Asia	4
ASAM 21 Asian Pacific Americans Make Culture	4
ASAM 22 Asian American Pacific Islander Women	4
ASAM 30 Filipinx American History and Culture	4
ASAM 42A History of Asian Civilization: China and Japan (to the 19th Century)	4
ASAM 42B History of Asian Civilization: China and Japan (19th - 21st Centuries)	4
BUS 21 Business and Society	5
CD 10G Child Development (The Early Years)	4

Courses	Units
CD 10H Child Growth and Development (Middle Childhood and Adolescence)	4
CD 12 Child, Family and Community Interrelationships	4
CD 50 Principles and Practices of Teaching Young Children	4
CD 51A Basic Student Teaching Practicum	5
CD 52 Observation and Assessment of Children	4
CD 53 Creative Art for the Young Child	3
CD 54 Curriculum for Early Childhood Programs	4
CD 55 Literacy Development and Activities for the Young Child	3
CD 56 Understanding and Working with English Learners	3
CD 57 Self-Assessment for Teachers of Young Children Using Reflective Practice: Field Experience	5
CD 58 Infant/Toddler Development	5
CD 59G Supervision and Administration of Child Development Programs (Management Systems)	4
CD 59H Supervision and Administration of Child Development Programs (Leadership Skills)	4
CD 60 Introduction to Children with Special Needs	3
CD 61 Music and Movement (Developmental Foundations)	3
CD 63 Math and Science Activities for the Young Child	3
CD 64 Health, Safety, and Nutrition for the Young Child	4
CD 67 Supervision and Administration of Child Development Programs (Adult Supervision)	3
CD 68 Teaching in a Diverse Society	4
CD 70 Seminar in Parenting the Preschool Child	1
CD 71 Constructive Guidance and Positive Discipline in Early Childhood	3
CD 72 Partnerships with Families in Early Childhood Education	3
CD 73 Early Childhood Mental Health	3
CD 74 Early Childhood Mental Health Seminar and Fieldwork	3
CD 75 Social Emotional Development in Early Childhood	3

Courses	Units
CD 90 Facilitating Inclusion in Early Childhood Programs: Intervention Strategies	3
CETH 8 Women of Color in the USA	4
CETH 10 Race, Ethnicity and Inequality	4
CETH 11 Race and Ethnicity: Belonging and Exclusion in the U.S.	4
CETH 19 Masculinities in U.S. Culture and Society	4
CETH 29 Ethnic Studies, Cultural Pluralism, and American Law and Justice	4
CETH 50 Civic Leadership for Community Empowerment	4
CHLX 10 Introduction to Chicanx and Latinx Studies	4
CHLX 11 Chicanx Culture	4
CHLX 12 Chicanx and Latinx History	4
CHLX 26 La Mujer: Latina Life and Experience	4
CIS 2 Computers and the Internet in Society	4
CLP 5 College Major and Career Options	2
CLP 7 Self-Assessment	4
COMM 7 Intercultural Communication or COMM 7H Intercultural Communication - HONORS	4
COMM 16 Interpersonal Communication or COMM 16H Interpersonal Communication - HONORS	5
COMM 70 Organizational Communication or COMM 70H Organizational Communication - HONORS	5
ES 1 Introduction to Environmental Studies	4
ES 2 Introduction to Sustainability	4
ES 3 Imagery of the Environment	4
ES 4 Energy, the Environment, and Society	4
ES 6 Introduction to Environmental Law	4
ECON 1 Principles of Macroeconomics or ECON 1H Principles of Macroeconomics - HONORS -	4
ECON 2 Principles of Microeconomics or ECON 2H Principles of Microeconomics - HONORS	4
ECON 3 Environmental Economics or ECON 3H Environmental Economics - HONORS	4
ECON 4 Economics of Public Issues	4
ECON 5 Behavioral Economics	4

Courses	Units
EDUC 1 Introduction to Elementary Education in a Diverse Society	3
EDUC 46 Mathematics for Elementary Education	5
F/TV 10 Introduction to Electronic Media or F/TV 10H Introduction to Electronic Media - HONORS	4
GEO 1 Physical Geography	4
GEO 4 Cultural Geography	4
GEO 5 A Geography of California	4
GEO 10 World Regional Geography	4
HIST 3A World History from Prehistory to 750 CE or HIST 3AH World History from Prehistory to 750 CE - HONORS	4
HIST 3B World History from 750 to 1750 CE or HIST 3BH World History from 750 to 1750 CE - HONORS	4
HIST 3C World History from 1750 CE to the Present or HIST 3CH World History from 1750 CE to the Present - HONORS	4
HIST 6A History of Western Civilization: Pre-History to 750 C.E. or HIST 6AH History of Western Civilization: Pre-History to 750 C.E. - HONORS	4
HIST 6B History of Western Civilization: 750 C.E. to 1750 C.E. or HIST 6BH History of Western Civilization: 750 C.E. to 1750 C.E. - HONORS	4
HIST 6C History of Western Civilization: 1750 C.E. to Present or HIST 6CH History of Western Civilization: 1750 C.E. to Present - HONORS	4
HIST 7A Colonial Latin American History	4
HIST 7B Modern Latin American History	4
HIST 9 Women in American History or or HIST 9H Women in American History - HONORS	4
HIST 10 History of California or HIST 10H History of California - HONORS	4
HIST 16A History of Africa to 1800	4
HIST 16B History of Africa from 1800 to the Present	4
HIST 17A History of the United States to Early National Era or or HIST 17AH History of the United States to Early National Era - HONORS	4
HIST 17B History of the United States from 1800 to 1900 or HIST 17BH History of the United States from 1800 to 1900 - HONORS	4
HIST 17C History of the United States from 1900 to the Present or HIST 17CH History of the United States from 1900 to the Present - HONORS	4
HIST 18A African American History to 1865	4
HIST 18B African American History Since 1865	4
HIST 19A History of Asian Civilization: China and Japan (to the 19th Century)	4
HIST 19B History of Asian Civilization: China and Japan (19th - 21st Centuries)	4
HUMA 10 Human Sexuality or HUMA 10H Human Sexuality - HONORS	4
HUMA 20 Life Skills for Higher Education	4
HUMA 30 Understanding and Managing Stress	4
ICS 2A Introduction to Peer Mentoring, Leadership, and Community Building	2
ICS 7 Intercultural Communication or ICS 7H Intercultural Communication - HONORS	4
ICS 16A History of Africa to 1800	4
ICS 16B History of Africa from 1800 to the Present	4
ICS 17 Critical Consciousness and Social Change or ICS 17H Critical Consciousness and Social Change - HONORS	4
ICS 19 Making a Difference: Transforming Relations of Nature, Community, and Power	4
ICS 25 Grassroots Democracy: Race, Politics and the American Promise	4
ICS 26 Introduction to Lesbian, Gay, Bisexual, Transgender and Queer Studies	4
ICS 27 Grassroots Democracy: Leadership and Power or ICS 27H Grassroots Democracy: Leadership and Power - HONORS	4
ICS 36 Grassroots Democracy: Social Movements Since the 1960s	4
ICS 37 Ancient Peoples of Mesoamerica	4
ICS 38A Colonial Latin American History	4
ICS 38B Modern Latin American History	4
INTL 5 Contemporary Global Issues	4
INTL 8 Sociology of Globalization and Social Change	4
INTL 33 Introduction to Peace and Conflict Studies	4
JOUR 2 Media and Its Impact On Society	4

Courses	Units
MATH 10 Introductory Statistics or MATH 10H Introductory Statistics - HONORS	5
MATH 17 Integrated Statistics 2	5
MATH 46 Mathematics for Elementary Education	5
NAIS 11 Native American Contemporary Society	4
NAIS 12 Ethnic Studies and the Historical Experiences of Native Americans	4
NAIS 14 Native American Religious Traditions	4
NAIS 16 California Native Americans	4
NAIS 31 Ethnic Studies: Native Hawaiian and Pacific Islander Experiences	4
PARA 3 Concepts of Criminal Law (CP 2)	4
PARA 11 Federal Courts and Constitutional Law	4
PARA 25 Law and Social Change	4
PARA 54 Youth and the Law	4
PARA 67 Law Office Management for Paralegals	2
PARA 74A Interviewing, Interrogation and Crisis Intervention	4
PARA 75 Principles and Procedures of the Justice System	4
PARA 90A Legal Aspects of Evidence (CP 4)	4
PARA 95 Overview of American Law	4
POLI 1 American Government and Politics or POLI 1H American Government and Politics - HONORS	5
POLI 2 Comparative Politics	4
POLI 3 International Relations	4
POLI 5 Introduction to Political Thought and Theory	4
POLI 10 Introduction to Administration of Justice	4
POLI 11 Federal Courts and Constitutional Law	4
POLI 13 Concepts of Criminal Law (CP 2)	4
POLI 15 Grassroots Democracy: Race, Politics and the American Promise	4
POLI 16 Grassroots Democracy: Social Movements Since the 1960s	4
POLI 17 Grassroots Democracy: Leadership and Power or POLI 17H Grassroots Democracy: Leadership and Power - HONORS	4
POLI 60A Introduction to Community Organizing	4
POLI 60B Intermediate Community Organizing	4
POLI 60C Advanced Community Organizing	4
POLI 75 Principles and Procedures of the Justice System	4
POLI 95 Overview of American Law	4
PSYC 1 General Psychology	4
PSYC 2 Research Methods in Psychology	6
PSYC 3 An Introduction to Cognitive Psychology	4
PSYC 4 Abnormal Psychology	4
PSYC 5 Introduction to Theories of Personality	4
PSYC 6 Introduction to Humanistic Psychology	4
PSYC 9 Psychology of Human Relationships and Normal Adjustment	4
PSYC 10G Child Development (The Early Years)	4
PSYC 10H Child Growth and Development (Middle Childhood and Adolescence)	4
PSYC 12 Psychology of Gender	4
PSYC 14 Developmental Aspects of Psychology	4
PSYC 15 Statistics and Research Methods in Social Science	4
PSYC 24 Introduction to Psychobiology	4
PSYC 51 Psychology of Wellness	4
PSYC 63 Sexual Assault, Police and Community Response	4
PSYC 74A Interviewing, Interrogation and Crisis Intervention	4
SOC 1 Introduction to Sociology	4
SOC 5 Sociology of Globalization and Social Change	4
SOC 14 The Process of Social Research	4
SOC 15 Statistics and Research Methods in Social Science	4
SOC 20 Social Problems	4
SOC 28 Sociology of Gender	4
SOC 29 Sociology of Structural Racism in the United States	4
SOC 35 Marriage, Family, and Intimate Relationships	4
SOC 51 Women in Crime	4
SOC 54 Youth and the Law	4

Courses	Units
SOC 73 Crime and Criminology	4
SOSC 60A Introduction to Community Organizing	4
SOSC 60B Intermediate Community Organizing	4
SOSC 60C Advanced Community Organizing	4
WMST 1 Introduction to Women's Studies	4
WMST 3C Women and Art	4
WMST 8 Women of Color in the USA	4
WMST 9 Women in American History or WMST 9H Women in American History - HONORS	4
WMST 12 Psychology of Gender	4
WMST 22 Asian American Pacific Islander Women	4
WMST 24 Women and Gender in Global Perspectives	4
WMST 25 Introduction to Black Feminism	4
WMST 26 La Mujer: Latina Life and Experience	4
WMST 27 Women and Gendered Violence	4
WMST 28 Sociology of Gender	4
WMST 29 Masculinities in U.S. Culture and Society	4
WMST 31 Women and Popular Culture	4

Major Units Required	27
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Certificate of Achievement (COA)

Additive Manufacturing Technology: 3D Design and Production

Program Description

The Certificate of Achievement in Additive Manufacturing Technology: 3D Design and Production provides knowledge of the fundamentals of computer-aided design (CAD), design for additive manufacturing (DfAM), reverse engineering principles, rapid 3D printing prototyping, and the required knowledge, skills, and abilities for additive manufacturing lab technicians. Students learn industry-standard practices for the most commonly utilized 3D printing materials and technologies, including fused deposition modeling (FDM), stereolithography (SLA), material jetting, selective laser sintering (SLS), and direct metal laser sintering (DMLS). In addition, students in this program will master the fundamental of 3D printing systems operation, maintenance and service. The certificate curriculum focuses on considerations and rapid prototyping applications of Additive Manufacturing (AM) through a combination of lecture, demonstration and project-based learning. Students will explore the design and material considerations within AM, configure systems, build prototypes and create functional parts. The certificate prepares individuals for a range of existing and emerging occupations in the advanced manufacturing sector, including CAD designers, additive manufacturing technicians, and applications engineering technicians.

Program Learning Outcomes

Upon completion, students will be able to

- Apply knowledge of additive manufacturing (AM)/3D printing to analyze, compare, and utilize multiple 3D printing processes and materials to design, prototype, and fabricate components and products for industry
- Analyze AM/3D printing design and production considerations to evaluate and determine the optimal processes and materials to meet industry standards and client specifications
- Demonstrate the skills required for each of the different roles within an AM product development and production facility: CAD designer, AM technician, applications engineer, and quality control
- Produce prototypes and components for fabrication utilizing Design for Additive Manufacturing (DfAM) concepts based on current industry standards and practices

Program Requirements

Complete the following

Courses	Units
DMT 53 3D Printing, Reverse Engineering and Rapid Prototyping: Strategies in Industry	4
DMT 54 3D Printing/Additive Manufacturing: Theory and Practice	4
DMT 56 3D Printing for AM Support Technicians and Operators	5
DMT 57 Design for Additive Manufacturing (DfAM)	4

Complete one course from the series (4 Units)

Courses	Units

Courses	Units
DMT 60A - 60E series SolidWorks (Introduction)	5
DMT 65A - 65E series Creo Parametric (Introduction)	4

Total Units Required: 21

Certificate of Achievement (COA)
CNC Machinist

Program Description

The Computer Numerical Control (CNC) Machinist Certificate of Achievement teaches students the fundamentals of conventional and CNC machine tools. Students learn how to set up safely and operate manual mills and lathes and construct word address programs for the setup and operation of CNC mills. Upon completion, students are prepared for employment in manufacturing facilities as setup persons, machine operators and production workers. This certificate is part of a career ladder. Students may also choose to complete a Certificate of Achievement-Advanced or A.S. degree.

Program Learning Outcomes

Upon completion, students will be able to

- Setup and operate conventional and CNC machines safely
- Construct and inspect machined projects using conventional and CNC equipment
- Construct word address programs to machine projects

Program Requirements

Complete the following

Courses	Units
DMT 80 Introduction to Machining and CNC Processes	5
DMT 84A Introduction to CNC Programming and Operation; Mill	5
DMT 84B CNC Programming and Operation; Intermediate Mill	5
DMT 90 Print Reading and Machine Shop Calculations	4.5

Total Units Required: 19.5

Certificate of Achievement (COA)
CNC Programming - CAD/CAM

Program Description

The CNC Programming - CAD/CAM Certificate of Achievement teaches students 2D, 3D, lathe and multi-axis machine tool programming. Students learn to construct geometry, select tools and produce and verify tool paths. Upon completion, students are prepared for employment as entry-level programmers in prototype and production manufacturing facilities. This certificate is part of a career ladder. Students may also choose to complete a Certificate of Achievement-Advanced or A.S. degree in CNC Machinist.

Program Learning Outcomes

Upon completion, students will be able to

- Design and construct 2D, 3D, lathe, horizontal and multi-axis part geometry
- Select tools and produce tool paths with constructed and imported geometry
- Verify tool paths and create word address programs for CNC machines

Program Requirements

Complete one course from the series (5 Units

Courses	Units
DMT 87D - 87E series CAD/CAM Programming Using Mastercam	5

Complete one course from the series (5 Units)

Courses	Units
DMT 87J - 87K series CAD/CAM Based CNC Surface Contouring Programming Using Mastercam	5

Complete one course from the series (5 Units)

Courses	Units
DMT 87N - 87Q series CAD/CAM Based CNC 4 and 5 Axis Mill/Lathe Programming Using Mastercam	5

Complete one course from the series (5 Units)

Courses	Units
DMT 89A - 89E series CAM Based CNC Multi-Axis Programming Using NX	5

Total Units Required: 20

Certificate of Achievement (COA)
Computer Aided Design -

Mechanical

Program Description

Students pursuing De Anza College's Computer Aided Design - Mechanical Certificate of Achievement will receive an education in the fundamentals of CAD that combines the use of two types of design graphic software packages. Students will learn substantive job skills in Creo and SolidWorks CAD systems that will make them employable in industrial and mechanical engineering and design.

Program Learning Outcomes

Upon completion, students will be able to

- Solve basic and complex drafting and design application problems using industry standard two-dimensional and three-dimensional software and feature-based parametric design software
- Apply the fundamentals of computer-aided drafting and design to disciplines such as architectural, mechanical and industrial design and engineering
- Utilize industry standard microcomputer CAD software and the hardware, operating systems and peripherals used to facilitate it
- Create engineering notes and scaled drawings using ASME or International Standards Organization (ISO) specifications
- Satisfy a prospective employer with quality technical expertise in the use of two CAD tools (SolidWorks and Creo) at a level commensurate with entry- to mid-level usage in industry design and engineering

Program Requirements

Complete the following

Courses	Units
DMT 52 Geometric Dimensioning and Tolerancing: CAD Applications	2

Complete one course from the series (4 Units)

Courses	Units
DMT 60A - 60E series SolidWorks (Introduction)	4

Complete one course from the series (4 Units)

Courses	Units
DMT 61A - 61E series SolidWorks (Intermediate)	4

Complete one course from the series (4 Units)

Courses	Units
DMT 65A - 65E series Creo Parametric (Introduction)	4

Complete one course from the series (4 Units)

Courses	Units
DMT 66A - 66E series Creo Parametric (Intermediate)	4

Total Units Required: 18

Certificate of Achievement (COA)

Quality Control Technician

Program Description

The Quality Control Technician Certificate of Achievement prepares students in the fundamentals of machining techniques, dimensional metrology, interpretation of multi-view engineering prints and applied geometric inspection dimensioning and tolerancing (ASME Y14.5m). Students also learn the correct operation of coordinate measuring machines (CMM) and the principles of manufacturing quality control and associated standards. Students in the Quality Control Technician program are instructed on how to inspect parts using various inspection methods; interpret drawings used in manufacturing; and record, analyze and document findings using various quality assurance procedures. Program students also learn the safe setup and operation of CMM and related measuring instruments. Upon completion of the certificate requirements, students are prepared for employment in manufacturing facilities as quality control inspectors and technicians.

Program Learning Outcomes

Upon completion, students will be able to

- Analyze, construct and inspect assigned machined projects using the introductory principles of machining
- Demonstrate the ability to interpret multi-view drawings and prints
- Demonstrate the ability to utilize common gauges, measurement instruments and calibration tools
- Apply geometric dimensioning and tolerancing standards to interpret drawings and inspect manufactured parts
- Demonstrate basic operation of the coordinate measuring machine (CMM) to inspect manufactured parts
- Demonstrate a working knowledge of calibration systems, inspection methodology, statistical process control indices and quality sampling techniques

Program Requirements

Complete the following

Courses	Units
DMT 80 Introduction to Machining and CNC Processes	5
DMT 90 Print Reading and Machine Shop Calculations	4.5
DMT 91 Dimensional Metrology	4.5

Courses	Units
DMT 92 Applied GD&T (ASME Y14.5m); Coordinate Measuring Machines (CMM)	4
DMT 93 Introduction to Quality Assurance	4

Total Units Required: 22

Certificate of Achievement-Advanced (COA-A)
CNC Machinist

Program Description

The CNC Machinist Certificate of Achievement-Advanced teaches students the fundamentals of CNC machine tools. Students learn safe setup, editing and operation of CNC equipment, including vertical and horizontal mills, lathes and rotary multi-axis components. Students are taught to dimension and inspect parts using various inspection methods and to analyze materials and processes used in manufacturing. Upon completion, students are prepared for employment in manufacturing facilities as CNC setup persons and machine operators.

Program Learning Outcomes

Upon completion, students will be able to

- Construct and inspect machined projects using CNC equipment with word address programs
- Apply geometric dimensioning and tolerance standards to inspect drawings and inspect parts using a coordinate measuring machine
- Differentiate and analyze the materials and processes used in manufacturing
- Produce tool paths with constructed and imported geometry using Mastercam
- Apply advanced machining skills by independently contracting projects

Program Requirements

Complete the following

Courses	Units
DMT 80 Introduction to Machining and CNC Processes	5
DMT 84A Introduction to CNC Programming and Operation; Mill	5
DMT 84B CNC Programming and Operation; Intermediate Mill	5
DMT 84C CNC Lathes-Horizontal Mill-4th Axis Rotary-Programming Operations	5
DMT 90 Print Reading and Machine Shop Calculations	4.5
DMT 92 Applied GD&T (ASME Y14.5m); Coordinate Measuring Machines (CMM)	4
DMT 95 Manufacturing Materials and Processes	4

Complete one course from the series (5 Units)

Courses	Units
DMT 87D - 87E series CAD/CAM Programming Using Mastercam	5

Complete one course from the series (5 Units)

Courses	Units
DMT 87J - 87K series CAD/CAM Based CNC Surface Contouring Programming Using Mastercam	5

Complete one course from the series (5 Units)

Courses	Units
DMT 87N - 87Q series CAD/CAM Based CNC 4 and 5 Axis Mill/Lathe Programming Using Mastercam	5

Complete one course from the series (5 Units)

Courses	Units
DMT 89A - 89E series CAM Based CNC Multi-Axis Programming Using NX	5

Complete one course (2 Units)

Courses	Units
DMT 77A Special Projects in Manufacturing and CNC/Mastercam Certification Level 1	2
DMT 77B Special Projects in Manufacturing and CNC/Mastercam Certification Level 2	2
DMT 77C Special Projects in Manufacturing and CNC/Mastercam Certification Level 3	2

Total Units Required: 54.5

Certificate of Achievement-Advanced (COA-A)
CNC Research and Development Machinist

Program Description

The Certificate of Achievement-Advanced teaches students the fundamentals of conventional and CNC machine tools. Students learn to set up safely and operate manual mills, lathes, surface grinders and CNC equipment, including vertical and horizontal mills, lathes and rotary multi-axis components. They also learn to produce word address programs with CAD/CAM software. Students are taught to dimension and inspect parts using various inspection methods and to analyze materials and processes used in manufacturing. Upon completion, students are prepared for employment working closely with engineers in a research and development environment.

Program Learning Outcomes

Upon completion, students will be able to

- Construct and inspect machined projects using conventional and CNC equipment using word address programs
- Apply geometric dimensioning and tolerance standards to inspect drawings and inspect parts using a coordinate measuring machine
- Differentiate and analyze the materials and processes used in manufacturing
- Analyze, construct and inspect diagrams to repair physical and electrical components
- Produce tool paths with constructed and imported geometry using Mastercam

Program Requirements

Complete the following

Courses	Units
DMT 80 Introduction to Machining and CNC Processes	5
DMT 82 Advanced Conventional Machine Tools, Tool Design, Abrasive Machining	5
DMT 84A Introduction to CNC Programming and Operation; Mill	5
DMT 84B CNC Programming and Operation; Intermediate Mill	5
DMT 84C CNC Lathes-Horizontal Mill-4th Axis Rotary-Programming Operations	5
DMT 90 Print Reading and Machine Shop Calculations	4.5
DMT 92 Applied GD&T (ASME Y14.5m); Coordinate Measuring Machines (CMM)	4
DMT 95 Manufacturing Materials and Processes	4

Complete one course from the series (5 Units)

Courses	Units
DMT 87D - 87E series CAD/CAM Programming Using Mastercam	5

Complete one course from the series (5 Units)

Courses	Units
DMT 87J - 87K series CAD/CAM Based CNC Surface Contouring Programming Using Mastercam	5

Complete one course from the series (5 Units)

Courses	Units
DMT 87N - 87Q series CAD/CAM Based CNC 4 and 5 Axis Mill/Lathe Programming Using Mastercam	5

Complete four units (4 Units)

Courses	Units
DMT 77D Special Projects in Manufacturing and CNC/NIMS Level 1	2
DMT 77E Special Projects in Manufacturing and CNC/NIMS Level 2	2
DMT 77F Special Projects in Manufacturing and CNC/NIMS Level 3	21

Total Units Required: 56.5

Certificate of Achievement-Advanced (COA-A)

Product Model Making

Program Description

Students in the Certificate of Achievement-Advanced are taught the fundamentals of Product Model Making. Students learn the safe setup of CNC equipment, how to design and construct three-dimensional objects using CAD/CAM software and how to analyze materials and processes used in prototype model making. Upon completion, students are prepared for employment working in design-stage product development and prototype and model making environments.

Program Learning Outcomes

Upon completion, students will be able to

- Construct and inspect machined projects using conventional and CNC equipment that uses word address programs
- Design and construct three-dimensional objects
- Create part geometry using SolidWorks or Creo/Pro Engineer CAD software
- Differentiate and analyze the materials and processes used in manufacturing
- Produce tool paths with constructed and imported geometry using Mastercam

Program Requirements

Complete the following

Courses	Units
ARTS 10A Three-Dimensional Design	4
ARTS 10B Intermediate Three-Dimensional Design	4
DMT 80 Introduction to Machining and CNC Processes	5
DMT 84A Introduction to CNC Programming and Operation; Mill	5
DMT 84B CNC Programming and Operation; Intermediate Mill	5
DMT 95 Manufacturing Materials and Processes	4

Complete one course from either series (4 Units)

Courses	Units
DMT 60A - 60E series SolidWorks (Introduction)	4
DMT 65A - 65E series Creo Parametric (Introduction)	4

Complete one course from either series (5 Units)

Courses	Units
DMT 87D - 87E series CAD/CAM Programming Using Mastercam	4

Complete one course from either series (5 Units)

Courses	Units
DMT 87J - 87K series CAD/CAM Based CNC Surface Contouring Programming Using Mastercam	5

Complete one course from either series (5 Units)

Courses	Units
DMT 87N - 87Q series CAD/CAM Based CNC 4 and 5 Axis Mill//Lathe Programming Using Mastercam	5

Total Units Required: 46

Associate in Science (A.S.) Degree
CNC Machinist

Program Description

The CNC Machinist A.S. degree teaches students the fundamentals of CNC machine tools. Students learn safe setup, editing and operation of CNC equipment, including vertical and horizontal mills, lathes and rotary multi-axis components. Students are taught to dimension and inspect parts using various inspection methods and to analyze materials and processes used in manufacturing. Upon completion, students are prepared for employment in manufacturing facilities as CNC setup persons and machine operators.

Program Learning Outcomes

Upon completion, students will be able to

- Construct and inspect machined projects using CNC equipment with word address programs
- Apply geometric dimensioning and tolerance standards to inspect drawings and inspect parts using a coordinate measuring machine
- Differentiate and analyze the materials and processes used in manufacturing
- Produce tool paths with constructed and imported geometry using Mastercam
- Apply advanced machining skills by independently contracting projects

Program Requirements

Complete the following

Courses	Units
DMT 80 Introduction to Machining and CNC Processes	5
DMT 84A Introduction to CNC Programming and Operation; Mill	5
DMT 84B CNC Programming and Operation; Intermediate Mill	5
DMT 84C CNC Lathes-Horizontal Mill-4th Axis Rotary-Programming Operations	5
DMT 90 Print Reading and Machine Shop Calculations	4.5
DMT 92 Applied GD&T (ASME Y14.5m); Coordinate Measuring Machines (CMM)	4
DMT 95 Manufacturing Materials and Processes	4

Complete one course from the series (5 Units)

Courses	Units
DMT 87D - 87E series CAD/CAM Programming Using Mastercam	5

Complete one course from the series (5 Units)

Courses	Units

Courses	Units
DMT 87J - 87K series CAD/CAM Based CNC Surface Contouring Programming Using Mastercam	5

Complete one course from the series (5 Units)

Courses	Units
DMT 87N - 87Q series CAD/CAM Based CNC 4 and 5 Axis Mill/Lathe Programming Using Mastercam	5

Complete one course from the series (5 Units)

Courses	Units
DMT 89A - 89E series CAM Based CNC Multi-Axis Programming Using NX	5

Complete one course (2 Units)

Courses	Units
DMT 77A Special Projects in Manufacturing and CNC/Mastercam Certification Level 1	2
DMT 77B Special Projects in Manufacturing and CNC/Mastercam Certification Level 2	2
DMT 77C Special Projects in Manufacturing and CNC/Mastercam Certification Level 3	2

Major Units Required	54.5
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Science (A.S.) Degree

CNC Research and Development Machinist

Program Description

The A.S. degree teaches students the fundamentals of conventional and CNC machine tools. Students learn to set up safely and operate manual mills, lathes, surface grinders and CNC equipment, including vertical and horizontal mills, lathes and rotary multi-axis components. They also learn to produce word address programs with CAD/CAM software. Students are taught to dimension and inspect parts using various inspection methods and to analyze materials and processes used in manufacturing. Upon completion, students are prepared for employment working closely with engineers in a research and development environment.

Program Learning Outcomes

Upon completion, students will be able to

- Construct and inspect machined projects using conventional and CNC equipment using word address programs
- Apply geometric dimensioning and tolerance standards to inspect drawings and inspect parts using a coordinate measuring machine
- Differentiate and analyze the materials and processes used in manufacturing
- Analyze, construct and inspect diagrams to repair physical and electrical components
- Produce tool paths with constructed and imported geometry using Mastercam

Program Requirements

Complete the following

Courses	Units
DMT 80 Introduction to Machining and CNC Processes	5
DMT 82 Advanced Conventional Machine Tools, Tool Design, Abrasive Machining	5
DMT 84A Introduction to CNC Programming and Operation; Mill	5
DMT 84B CNC Programming and Operation; Intermediate Mill	5
DMT 84C CNC Lathes-Horizontal Mill-4th Axis Rotary-Programming Operations	5
DMT 90 Print Reading and Machine Shop Calculations	4.5
DMT 92 Applied GD&T (ASME Y14.5m); Coordinate Measuring Machines (CMM)	4
DMT 95 Manufacturing Materials and Processes	4

Complete one course from the series (5 Units)

Courses	Units
DMT 87D - 87E series CAD/CAM Programming Using Mastercam	5

Complete one course from the series (5 Units)

Courses	Units

Courses	Units
DMT 87J - 87K series CAD/CAM Based CNC Surface Contouring Programming Using Mastercam	5

Complete one course from the series (5 Units)

Courses	Units
DMT 87N - 87Q series CAD/CAM Based CNC 4 and 5 Axis Mill/Lathe Programming Using Mastercam	5

Complete four units (4 Units)

Courses	Units
DMT 77D Special Projects in Manufacturing and CNC/NIMS Level 1	2
DMT 77E Special Projects in Manufacturing and CNC/NIMS Level 2	2
DMT 77F Special Projects in Manufacturing and CNC/NIMS Level 3	21

Major Units Required	56.5
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units

Total Units Required 90

Associate in Science (A.S.) Degree
Product Model Making

Program Description

Students in the A.S. degree are taught the fundamentals of Product Model Making. Students learn the safe setup of CNC equipment, how to design and construct three-dimensional objects using CAD/CAM software and how to analyze materials and processes used in prototype model making. Upon completion, students are prepared for employment working in design-stage product development and prototype and model making environments.

Program Learning Outcomes

Upon completion, students will be able to

- Construct and inspect machined projects using conventional and CNC equipment that uses word address programs
- Design and construct three-dimensional objects
- Create part geometry using SolidWorks or Creo/Pro Engineer CAD software
- Differentiate and analyze the materials and processes used in manufacturing
- Produce tool paths with constructed and imported geometry using Mastercam

Program Requirements

Complete the following

Courses	Units
ARTS 10A Three-Dimensional Design	4
ARTS 10B Intermediate Three-Dimensional Design	4
DMT 80 Introduction to Machining and CNC Processes	5
DMT 84A Introduction to CNC Programming and Operation; Mill	5
DMT 84B CNC Programming and Operation; Intermediate Mill	5
DMT 95 Manufacturing Materials and Processes	4

Complete one course from either series (4 Units)

Courses	Units
DMT 60A - 60E series SolidWorks (Introduction)	4
DMT 65A - 65E series Creo Parametric (Introduction)	4

Complete one course from either series (5 Units)

Courses	Units
DMT 87D - 87E series CAD/CAM Programming Using Mastercam	4

Complete one course from either series (5 Units)

Courses	Units
DMT 87J - 87K series CAD/CAM Based CNC Surface Contouring Programming Using Mastercam	5

Complete one course from either series (5 Units)

Courses	Units
DMT 87N - 87Q series CAD/CAM Based CNC 4 and 5 Axis Mill//Lathe Programming Using Mastercam	5

Major Units Required 46

General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units

Total Units Required 90

Certificate of Achievement (COA)
Energy Management and Building Science

Program Description

The Certificate of Achievement in Energy Management and Building Science will prepare students for new and emerging career opportunities in energy management technology, building energy audit, facilities management, building design and sustainability and renewable energy systems. Completion of the Certificate of Achievement provides an introduction to energy efficiency techniques and principles and prepares students for careers in managing and monitoring energy efficient buildings. The certificate curriculum is aligned with professional certifications offered by the International Facilities Management Association (IFMA), including Facilities Management Professional (FMP) and Sustainable Facilities Professional (SFP). Students will also be well prepared for the certification test for Renewable (Solar) Energy Professional offered by the North American Board of Certified Energy Practitioners (NABCEP).

Program Learning Outcomes

Upon completion, students will be able to

- Investigate and analyze energy use and its relationship to non-renewable energy extraction, production, distribution, consumption and greenhouse gas emissions
- Apply an understanding of energy management and building science principles, techniques and strategies, the laws of thermodynamics and the sustainable use of resources supporting the built environment

Program Requirements

Complete the following

Courses	Units
ES 4 Energy, the Environment, and Society	4
ES 58 Introduction to Green Building	1
ES 64 Climate Change Mitigation and Adaptation in California	4
ES 69 Energy Management Within Your Organization	1
ES 70 Introduction to Energy	1
ES 71 Introduction to Sustainable Buildings	1
ES 76 Energy Star Products	1
ES 78 Introduction to Energy Management Systems and Controls	1
ES 79 Renewable and Alternative Energy Systems	1
ES 81 Leadership in Energy and Environmental Design/Sustainability Codes	2
ES 82 Project Management and Technical Report Writing for Energy Professionals	2
ES 83 Energy Management Return on Investment	2

Total Units Required: 21

Certificate of Achievement (COA)
Environmental Resource Management and Pollution Prevention

Program Description

In this career-oriented program, students are trained in the interrelated fields of environmental resource management (sustainable multiple-use management of our fundamental environmental resources – air, water, land, food and extracted materials) and pollution prevention. The training received is multidisciplinary, covering the areas of law and regulation, public health, economics and science and technology, and includes coursework covering a variety of practical management tools that employers look for. Upon completion, students are prepared for employment as entry-level environmental management or pollution prevention specialists in a wide range of positions and settings, including working for business, government and nonprofit organizations. This certificate is the first step in a career ladder, on which students can optionally choose to later complete a Certificate of Achievement-Advanced and finally an A.A. degree.

Program Learning Outcomes

Upon completion, students will be able to

- Identify fundamental environmental management/pollution prevention issues and apply sustainable solutions

Program Requirements

The Certificate of Achievement in Environmental Resource Management and Pollution Prevention can be earned by taking all required courses online. Some online courses may require on-campus participation in meetings, class events or exams, as detailed in the quarterly class listings.

Complete the following.

Courses	Units
ES 50 Introduction to Environmental Resource Management and Pollution Prevention	4
ES 61A Environmental Resource Management and Pollution Prevention: Air, Water and Land	4
ES 61B Environmental Resource Management and Pollution Prevention: Energy, Chemicals and Waste	4

Complete two courses (8 Units)

Courses	Units
ES 62A Environmental Management Tools: Environmental Management Systems and Environmental Performance Reporting	4
ES 62B Environmental Management Tools: CEQA and Environmental Impact Reports (EIRs)	4
ES 62C Environmental Management Tools: Environmental Site Assessments (ESAs)	4
ES 62D Environmental Management Tools: Industrial Ecology and Sustainable Design Principles	4

Total Units Required: 20

Certificate of Achievement (COA)

Facility and Sustainable Building Management

Program Description

The interdisciplinary Facility and Sustainable Building Management certificate aligns with the requirements set by the facility management industry for qualified facility management professionals. Students will be educated and provided on-the-job work experience. Students will understand the cross-functional aspects of a successful facility manager and will be further educated on the roles facility managers play, the basics of building operations and maintenance, building sustainability and work management within the facility manager job function. The International Facility Management Association (IFMA) estimates the average age of practicing facility managers is more than 49 years old. IFMA also forecasts that 30% to 50% of practicing facility managers will retire within the next 10 years. This indicates a pending employment gap and a need for younger, well-educated and qualified facility management professionals. IFMA has turned to California community colleges to help fill this gap. The Facility and Sustainable Building Management certificates and degrees will prepare students for careers in building sustainability, space planning, environmental health and safety, energy efficiency, sustainable landscaping, real estate, property management, human resources and other business-related job functions such as marketing, sales and accounting.

Program Learning Outcomes

Upon completion, students will be able to

- Assess the roles and responsibilities of Facility Managers and understand the technical and business skills required in the Facility Management profession

Program Requirements

Complete the following

Courses	Units
BUS 56 Human Relations in the Workplace	5
BUS 65 Leadership	5
BUS 85 Business Communication	3
ES 58 Introduction to Green Building	1
ES 69A Introduction to Facilities Management	3
ES 70 Introduction to Energy	1
ES 71 Introduction to Sustainable Buildings	1
ES 78 Introduction to Energy Management Systems and Controls	1
ES 82 Project Management and Technical Report Writing for Energy Professionals	2

Total Units Required: 22

Certificate of Achievement-Advanced (COA-A)

Energy Management and Building Science

Program Description

The Certificate of Achievement-Advanced in Energy Management and Building Science will prepare students for new and emerging career opportunities in energy management technology, building energy audit, facilities management, building design and sustainability and renewable energy systems. Completion of the Certificate of Achievement- Advanced provides an intermediate level of analysis in energy efficiency principles and prepares students for careers in managing and monitoring energy efficient buildings. The certificate curriculum is aligned with professional certifications offered by the International Facilities Management

Association (IFMA), including Facilities Management Professional (FMP) and Sustainable Facilities Professional (SFP). Students will also be well prepared for the certification test for Renewable (Solar) Energy Professional offered by the North American Board of Certified Energy Practitioners (NABCEP).

Program Learning Outcomes

Upon completion, students will be able to

- Investigate and analyze energy use and its relationship to non-renewable energy extraction, production, distribution, consumption and greenhouse gas emissions
- Apply an understanding of energy management and building science principles, techniques and strategies, the laws of thermodynamics and the sustainable use of resources supporting the built environment
- Demonstrate knowledge of the above objectives and strategically conceptualize and implement efficient and sustainable energy management policies, procedures and systems in residential and commercial buildings

Program Requirements

Complete the following

Courses	Units
ES 4 Energy, the Environment, and Society	4
ES 51A Sustainable Energy Systems	4
ES 51B Energy Efficient Buildings	3
ES 51C Building Automation Systems	2
ES 58 Introduction to Green Building	1
ES 64 Climate Change Mitigation and Adaptation in California	4
ES 69 Energy Management Within Your Organization	1
ES 69A Introduction to Facilities Management	3
ES 70 Introduction to Energy	1
ES 71 Introduction to Sustainable Buildings	1
ES 76 Energy Star Products	1
ES 76A Solar Thermal Systems	1
ES 78 Introduction to Energy Management Systems and Controls	1
ES 79 Renewable and Alternative Energy Systems	1
ES 81 Leadership in Energy and Environmental Design/Sustainability Codes	2
ES 82 Project Management and Technical Report Writing for Energy Professionals	2
ES 83 Energy Management Return on Investment	2

Total Units Required: 34

Certificate of Achievement-Advanced (COA-A)

Environmental Resource Management and Pollution Prevention

Program Description

In this career-oriented program, students are trained in the interrelated fields of environmental resource management (sustainable multiple-use management of our fundamental environmental resources – air, water, land, food and extracted materials) and pollution prevention. The training received is multidisciplinary, covering the areas of law and regulation, public health, economics and science and technology, and includes coursework covering a variety of practical management tools that employers look for. Upon completion, students are prepared for employment as environmental management or pollution prevention specialists in a wide range of positions and settings, including working for business, government and nonprofit organizations. This certificate is the middle step in a career ladder with the first step being a Certificate of Achievement and the last (optional) step being an A.A. degree.

Program Learning Outcomes

Upon completion, students will be able to

- Identify both fundamental and advanced environmental management/pollution prevention issues and apply sustainable solutions

Program Requirements

The Certificate of Achievement-Advanced in Environmental Resource Management and Pollution Prevention can be earned by taking all required courses online. Some online courses may require on-campus participation in meetings, class events or exams, as detailed in the quarterly class listings.

Complete the following.

Courses	Units
ES 50 Introduction to Environmental Resource Management and Pollution Prevention	4
ES 61A Environmental Resource Management and Pollution Prevention: Air, Water and Land	4

Courses	Units
ES 61B Environmental Resource Management and Pollution Prevention: Energy, Chemicals and Waste	4
ES 64 Climate Change Mitigation and Adaptation in California	4

Complete two courses not previously completed for the Certificate of Achievement (8 Units)

Courses	Units
ES 62A Environmental Management Tools: Environmental Management Systems and Environmental Performance Reporting	4
ES 62B Environmental Management Tools: CEQA and Environmental Impact Reports (EIRs)	4
ES 62C Environmental Management Tools: Environmental Site Assessments (ESAs)	4
ES 62D Environmental Management Tools: Industrial Ecology and Sustainable Design Principles	4

Total Units Required: 32

Certificate of Achievement-Advanced (COA-A)

Facility and Sustainable Building Management

Program Description

The interdisciplinary Facility and Sustainable Building Management certificate aligns with the requirements set by the facility management industry for qualified facility management professionals. Students will be educated and provided on-the-job work experience. Students will understand the cross-functional aspects of a successful facility manager and will be further educated on the roles facility managers play, the basics of building operations and maintenance, building sustainability and work management within the facility manager job function. The International Facility Management Association (IFMA) estimates the average age of practicing facility managers is more than 49 years old. IFMA also forecasts that 30% to 50% of practicing facility managers will retire within the next 10 years. This indicates a pending employment gap and a need for younger, well-educated and qualified facility management professionals. IFMA has turned to California community colleges to help fill this gap. The Facility and Sustainable Building Management certificates and degrees will prepare students for careers in building sustainability, space planning, environmental health and safety, energy efficiency, sustainable landscaping, real estate, property management, human resources and other business-related job functions such as marketing, sales and accounting.

Program Learning Outcomes

Upon completion, students will be able to

- Assess the roles and responsibilities of Facility Managers and understand the technical and business skills required in the Facility Management profession
- Analyze and understand the basics of building management and energy efficiency systems

Program Requirements

Complete the following

Courses	Units
ACCT 1A Financial Accounting I or ACCT 1AH Financial Accounting I - HONORS	4
BUS 10 Introduction to Business	5
BUS 56 Human Relations in the Workplace	5
BUS 65 Leadership	5
BUS 85 Business Communication	3
ES 58 Introduction to Green Building	1
ES 69A Introduction to Facilities Management	3
ES 70 Introduction to Energy	1
ES 71 Introduction to Sustainable Buildings	1
ES 78 Introduction to Energy Management Systems and Controls	1
ES 81 Leadership in Energy and Environmental Design/Sustainability Codes	2
ES 82 Project Management and Technical Report Writing for Energy Professionals	2
ES 83 Energy Management Return on Investment	2

Total Units Required: 36

Associate in Arts (A.A.) Degree

Environmental Resource Management and Pollution Prevention

Program Description

In this career-oriented program, students are trained in the interrelated fields of environmental resource management (sustainable multiple-use management of our fundamental environmental resources – air, water, land, food and extracted materials) and pollution prevention. The training received is multidisciplinary, covering the areas of law and regulation, public health, economics and science and technology, and includes

coursework covering a variety of practical management tools that employers look for. Upon completion, students are prepared for either employment as environmental management or pollution prevention specialists (in a wide range of positions and settings, including working for business, government and nonprofit organizations) or for transfer to four-year degree programs in Environmental Studies or related majors. This degree is the last step in a career ladder with the first step being a Certificate of Achievement and the second being a Certificate of Achievement-Advanced.

Program Learning Outcomes

Upon completion, students will be able to

- Identify both fundamental and advanced environmental management/pollution prevention issues and apply sustainable solutions
- Understand and appreciate the broader context of their work in terms of achieving a sustainable society

Program Requirements

Complete the following.

Courses	Units
ES 1 Introduction to Environmental Studies	4
ES 4 Energy, the Environment, and Society	4
ES 6 Introduction to Environmental Law	4
ES 50 Introduction to Environmental Resource Management and Pollution Prevention	4
ES 56 Introduction to Environmental Health	4
ES 58 Introduction to Green Building	1
ES 61A Environmental Resource Management and Pollution Prevention: Air, Water and Land	4
ES 61B Environmental Resource Management and Pollution Prevention: Energy, Chemicals and Waste	4
ES 61L Environmental Resource Management and Pollution Prevention Laboratory	1
ES 63 Global Environmental Policy	1
ES 64 Climate Change Mitigation and Adaptation in California	4
ES 95 Introduction to Environmental Careers	1
ESCI 1 Environmental Science	4
ESCI 1L Environmental Science Laboratory	1

Complete two courses not previously completed for the Certificate of Achievement (8 Units)

Courses	Units
ES 62A Environmental Management Tools: Environmental Management Systems and Environmental Performance Reporting	4
ES 62B Environmental Management Tools: CEQA and Environmental Impact Reports (EIRs)	4
ES 62C Environmental Management Tools: Environmental Site Assessments (ESAs)	4
ES 62D Environmental Management Tools: Industrial Ecology and Sustainable Design Principles	4

Major Units Required	57
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

**Students taking MATH 1C/1CH must take MATH 1D/1DH to meet this requirement.*

Major Units Required	27-43
Transfer General Education Units Required	51-62 CSU GE or (IGETC for CSU)
Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units
Total Units Required	**90**

Associate in Science (A.S.) Degree

Energy Management and Building Science

Program Description

The A.S. degree in Energy Management and Building Science will prepare students for new and emerging career opportunities in energy management technology, building energy audit, facilities

management, building design and sustainability and renewable energy systems. Completion of the degree program provides students with a skilled knowledge of energy efficiency principles and prepares them for careers in managing and monitoring energy efficient buildings. The program curriculum is aligned with professional certifications offered by the International Facilities Management Association (IFMA), including Facilities Management Professional (FMP) and Sustainable Facilities Professional (SFP). Students will also be well prepared for the certification test for Renewable (Solar) Energy Professional offered by the North American Board of Certified Energy Practitioners (NABCEP).

Program Learning Outcomes

Upon completion, students will be able to

- Investigate and analyze energy use and its relationship to non-renewable energy extraction, production, distribution, consumption and greenhouse gas emissions
- Apply an understanding of energy management and building science principles, techniques and strategies, the laws of thermodynamics and the sustainable use of resources supporting the built environment
- Demonstrate knowledge of the above objectives and strategically conceptualize and implement efficient and sustainable energy management policies, procedures and systems in residential and commercial buildings
- Engage with key stakeholders in energy management and building science occupations including the public, government agencies, public industry, manufacturing and non profits to enhance, improve and advocate for global, cultural, social and environmental he

Program Requirements

Complete the following

Courses	Units
ES 4 Energy, the Environment, and Society	4
ES 51A Sustainable Energy Systems	4
ES 51B Energy Efficient Buildings	3
ES 51C Building Automation Systems	2
ES 58 Introduction to Green Building	1
ES 64 Climate Change Mitigation and Adaptation in California	4
ES 69 Energy Management Within Your Organization	1
ES 69A Introduction to Facilities Management	3
ES 70 Introduction to Energy	1
ES 71 Introduction to Sustainable Buildings	1
ES 76 Energy Star Products	1
ES 76A Solar Thermal Systems	1
ES 78 Introduction to Energy Management Systems and Controls	1
ES 79 Renewable and Alternative Energy Systems	1
ES 81 Leadership in Energy and Environmental Design/Sustainability Codes	2
ES 82 Project Management and Technical Report Writing for Energy Professionals	2
ES 83 Energy Management Return on Investment	2

Complete 18 Units

Courses	Units
CIS 3 Business Information Systems	4.5
CIS 79 Managing Technology Projects	4.5
ES 1 Introduction to Environmental Studies	4
ES 50 Introduction to Environmental Resource Management and Pollution Prevention	4
ES 61B Environmental Resource Management and Pollution Prevention: Energy, Chemicals and Waste	4
ES 62C Environmental Management Tools: Environmental Site Assessments (ESAs)	4
ES 62D Environmental Management Tools: Industrial Ecology and Sustainable Design Principles	4
ES 84 Residential Solar Design and Installation	1
ES 95 Introduction to Environmental Careers	1
ESCI 1 Environmental Science	4
MATH 109 Intermediate Algebra for Statistics or MATH 114 College Math Preparation Level 3: Intermediate Algebra or MATH 130 Intermediate Algebra for Precalculus	5
MET 10 Weather and Climate Processes	5
PHYS 10 Concepts of Physics	5

Major Units Required	52
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units

Total Units Required 90

Associate in Science (A.S.) Degree

Facility and Sustainable Building Management

Program Description

The interdisciplinary Facility and Sustainable Building Management degree aligns with the requirements set by the facility management industry for qualified facility management professionals. Students will be educated and provided on-the-job work experience. Students will understand the cross-functional aspects of a successful facility manager and will be further educated on the roles facility managers play, the basics of building operations and maintenance, building sustainability and work management within the facility manager job function. The International Facility Management Association (IFMA) estimates the average age of practicing facility managers is more than 49 years old. IFMA also forecasts that 30% to 50% of practicing facility managers will retire within the next 10 years. This indicates a pending employment gap and a need for younger, well-educated and qualified facility management professionals. IFMA has turned to California community colleges to help fill this gap. The Facility and Sustainable Building Management certificates and degrees will prepare students for careers in building sustainability, space planning, environmental health and safety, energy efficiency, sustainable landscaping, real estate, property management, human resources and other business-related job functions such as marketing, sales and accounting.

Program Learning Outcomes

Upon completion, students will be able to

- Assess the roles and responsibilities of Facility Managers and understand the technical and business skills required in the Facility Management profession
- Analyze and understand the basics of building automation and sustainable building systems
- Understand the cross-functional nature of the successful facility manager and be able to identify internal and external stakeholders
- Demonstrate the ability to track internal and external customer relationships in facility management

Program Requirements

Complete the following

Courses	Units
ACCT 1A Financial Accounting I or ACCT 1AH Financial Accounting I - HONORS	4
BUS 10 Introduction to Business	5
BUS 56 Human Relations in the Workplace	5
BUS 65 Leadership	5
BUS 85 Business Communication	3
ES 58 Introduction to Green Building	1
ES 69A Introduction to Facilities Management	3
ES 70 Introduction to Energy	1
ES 71 Introduction to Sustainable Buildings	1
ES 78 Introduction to Energy Management Systems and Controls	1
ES 81 Leadership in Energy and Environmental Design/Sustainability Codes	2
ES 82 Project Management and Technical Report Writing for Energy Professionals	2
ES 83 Energy Management Return on Investment	2

Complete 14 units

Courses	Units
ACCT 88 Excel Spreadsheets for Accounting	2
ACCT 105 Basic Financial Accounting Procedures	1
BUS 96 Principles of Management	5
CIS 3 Business Information Systems	4.5
CIS 79 Managing Technology Projects	4.5
ES 4 Energy, the Environment, and Society	4
ES 51A Sustainable Energy Systems	4
ES 51B Energy Efficient Buildings	3
ES 51C Building Automation Systems	2
ES 62A Environmental Management Tools: Environmental Management Systems and Environmental Performance Reporting	4
ES 64 Climate Change Mitigation and Adaptation in California	4
ES 69 Energy Management Within Your Organization	1
REST 50 Real Estate Principles	4
REST 53 Real Estate Finance	4

Major Units Required	50
General Education Units Required	32-43
Elective Units	Elective courses required

	when the major units plus GE units total is less than 90 units

Total Units Required	**90**

Associate in Arts for Transfer (A.A.-T.) Degree

Associate in Arts in Economics for Transfer

Program Description

The Economics major consists of courses appropriate for an Associate in Arts in Economics for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Arts in Economics for Transfer is intended for students who plan to complete a bachelor's degree in Economics (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Develop a critical way of thinking with the goal of optimal decision-making in everyday life
- Demonstrate the ability to analyze and understand the current economic situation using diverse economic theories and how they impact society's well-being

Program Requirements

Complete the following required core courses (13 Units)

Courses	Units
ECON 1 Principles of Macroeconomics 4 or ECON 1H Principles of Macroeconomics - HONORS	4
ECON 2 Principles of Microeconomics or ECON 2H Principles of Microeconomics - HONORS	4
MATH 10 Introductory Statistics or MATH 10H Introductory Statistics - HONORS	5

Required Core - Complete one option (5-10 Units)

Option 1

Courses	Units
MATH 1A Calculus or MATH 1AH Calculus - HONORS	5
MATH 1B Calculus or MATH 1BH Calculus - HONORS	5

Option 2

Courses	Units
MATH 12 Introductory Calculus for Business and Social Science	5

List A - Complete one option (5-10 Units)

Option 1

Courses	Units
ACCT 1A Financial Accounting I or ACCT 1AH Financial Accounting I - HONORS	5
ACCT 1B Financial Accounting II or ACCT 1BH Financial Accounting II - HONORS	5

Option 2

Courses	Units
ACCT 1C Managerial Accounting or ACCT 1CH Managerial Accounting - HONORS	5

Option 3

Courses	Units
MATH 1B Calculus or MATH 1BH Calculus - HONORS	5
MATH 1C Calculus or MATH 1CH Calculus - HONORS	5

Option 4

Courses	Units
MATH 11 Finite Mathematics or MATH 11H Finite Mathematics - HONORS	5

List B - Complete four-10 units below or from List A (not already taken) (4-10 Units)

Courses	Units
ECON 3 Environmental Economics or ECON 3H Environmental Economics - HONORS	4
ECON 4 Economics of Public Issues	4
ECON 5 Behavioral Economics	4
MATH 1C* Calculus or MATH 1CH* Calculus - HONORS	5
MATH 1D* Calculus or MATH 1DH* Calculus - HONORS	5
MATH 2B Linear Algebra or MATH 2BH Linear Algebra - HONORS	5

**Students taking MATH 1C/1CH must take MATH 1D/1DH to meet this requirement.*

Major Units Required	27-43
Transfer General Education Units Required	51-62 CSU GE or (IGETC for CSU)
Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units

Total Units Required 90

Associate in Arts (A.A.) Degree
English

Program Description

The English major at De Anza College offers students the opportunity to study language, literature, creative writing and composition and to deepen critical thinking, communication skills and aesthetic awareness. The English major also prepares students for further study leading to employment and internships in fields such as education, business, law, editing and writing. The program further prepares students to become effective communicators and broadly literate members of the community.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate awareness of diverse social, critical, historical and cultural perspectives by reading and responding to a range of literary texts
- Analyze texts representing a wide range of genres including poetry, drama, fiction and film
- Identify and make relevant connections between texts of various historical periods
- Write well-developed and effectively organized essays including in-class essays, interpretive arguments and essays incorporating research
- Synthesize historical, formal and critical ideas in interpreting a text

Program Requirements

Prerequisite (5 Units)

Courses	Units
EWRT 1A Composition and Reading or EWRT 1AH Composition and Reading - HONORS or EWRT 1AT Intensive Composition and Reading Stretch: Second Quarter	5

Complete one course (5 Units)

Courses	Units
EWRT 1B Reading, Writing and Research or EWRT 1BH Reading, Writing and Research - HONORS	5
EWRT 2 Critical Reading, Writing and Thinking or EWRT 2H Critical Reading, Writing and Thinking - HONORS	5

Complete three courses (12 Units)

Courses	Units
ELIT 46A Major British Writers (Medieval and Renaissance) or ELIT 46AH Major British Writers (Medieval and Renaissance) - HONORS	4
ELIT 46B Major British Writers (Neo-Classical and Romantic) or ELIT 46BH Major British Writers (Neo-Classical and Romantic) - HONORS	4
ELIT 46C Major British Writers (Victorian and Modern) or ELIT 46CH Major British Writers (Victorian and Modern) - HONORS	4
ELIT 47A World Literature: Antiquity to the 1500s	4
ELIT 47B World Literature: Africa and Latin America	4
ELIT 48A Major American Writers (Colonial to Romantic, 1620-1865) or ELIT 48AH Major American Writers (Colonial to Romantic, 1620-1865) - HONORS	4
ELIT 48B Major American Writers (The Advent of Realism, 1865-1914) or ELIT 48BH Major American Writers (The Advent of Realism, 1865-1914) - HONORS	4
ELIT 48C Major American Writers (The Modern Age, 1914-the Present) or ELIT 48CH Major American Writers (The Modern Age, 1914-the Present) - HONORS	4

Complete one course (4-5 Units)

Courses	Units
ELIT 10 Introduction to Fiction or ELIT 10H Introduction to Fiction - HONORS	4
ELIT 11 Introduction to Poetry	4
ELIT 12 Introduction to Dramatic Literature	4
ELIT 17 Introduction to Shakespeare or ELIT 17H Introduction to Shakespeare - HONORS	4

Courses	Units
ELIT 19 Introduction to the Bible as Literature	4
EWRT 1C Literature and Composition	5

Complete one course (4 Units)

Courses	Units
ELIT 21 Women in Literature also listed as WMST 21	4
ELIT 24 Asian Pacific American Literature also listed as ASAM 20	4
ELIT 40 African American Literature	4
ELIT 41 Ethnic Literature of the United States or ELIT 41H Ethnic Literature of the United States - HONORS	4

Complete one course (not already taken) (4-5 Units)

Courses	Units
ELIT 8 Children's Literature	4
ELIT 19 Introduction to the Bible as Literature	4
ELIT 21 Women in Literature also listed as WMST 21	4
ELIT 22 Mythology and Folklore	4
ELIT 24 Asian Pacific American Literature also listed as ASAM 20	4
ELIT 28 Young Adult Literature	4
ELIT 38 Utopian/Dystopian Literature	4
ELIT 39 Contemporary Literature	4
ELIT 40 African American Literature	4
ELIT 41 Ethnic Literature of the United States or ELIT 41H Ethnic Literature of the United States - HONORS	4
ELIT 46A Major British Writers (Medieval and Renaissance) or ELIT 46AH Major British Writers (Medieval and Renaissance) - HONORS	4
ELIT 46B Major British Writers (Neo-Classical and Romantic) or ELIT 46BH Major British Writers (Neo-Classical and Romantic) - HONORS	4
ELIT 46C Major British Writers (Victorian and Modern) or ELIT 46CH Major British Writers (Victorian and Modern) - HONORS	4
ELIT 47A World Literature: Antiquity to the 1500s	4
ELIT 47B World Literature: Africa and Latin America	5
ELIT 48A Major American Writers (Colonial to Romantic, 1620-1865) or ELIT 48AH Major American Writers (Colonial to Romantic, 1620-1865) - HONORS	4
ELIT 48B Major American Writers (The Advent of Realism, 1865-1914) or ELIT 48BH Major American Writers (The Advent of Realism, 1865-1914) - HONORS	4
ELIT 48C Major American Writers (The Modern Age, 1914-the Present) or ELIT 48CH Major American Writers (The Modern Age, 1914-the Present) - HONORS	5
EWRT 30 Introduction to Creative Writing	5
EWRT 40 Fiction Writing	5
EWRT 41 Poetry Writing	5
LING 1 Introduction to Linguistics	4

Major Units Required	29-31
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts for Transfer (A.A.-T.) Degree

Associate in Arts in English for Transfer

Program Description

The English major consists of courses appropriate for an Associate in Arts in English for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Arts in English for Transfer is intended for students who plan to complete a bachelor's degree in English (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate awareness of diverse social, critical, historical and cultural perspectives by reading and responding to a range of literary texts
- Analyze texts representing a wide range of genres including poetry, drama, fiction and film
- Identify and make relevant connections between texts of various historical periods
- Write well developed and effectively organized essays including in-class essays, interpretive arguments and essays incorporating research
- Synthesize historical, formal and critical ideas in interpreting a text

Program Requirements

Required Core - Complete one option (5-10 Units)

Option 1

Courses	Units
EWRT 1C Literature and Composition	5
EWRT 2 Critical Reading, Writing and Thinking or EWRT 2H Critical Reading, Writing and Thinking - HONORS	5

Option 2

Courses	Units
EWRT 1B Reading, Writing and Research or EWRT 1BH Reading, Writing and Research - HONORS	5

List A - Complete two groups (12-16 Units)

Group 1

Courses	Units
ELIT 46A Major British Writers (Medieval and Renaissance) or ELIT 46AH Major British Writers (Medieval and Renaissance) - HONORS	4
ELIT 46B Major British Writers (Neo-Classical and Romantic) or ELIT 46BH Major British Writers (Neo-Classical and Romantic) - HONORS	4

Group 2

Courses	Units
ELIT 46B Major British Writers (Neo-Classical and Romantic) or ELIT 46BH Major British Writers (Neo-Classical and Romantic) - HONORS	4
ELIT 46C Major British Writers (Victorian and Modern) or ELIT 46CH Major British Writers (Victorian and Modern) - HONOrs	6

Group 3

Courses	Units
ELIT 48A Major American Writers (Colonial to Romantic, 1620-1865) or ELIT 48AH Major American Writers (Colonial to Romantic, 1620-1865) - HONORS	4
ELIT 48B Major American Writers (The Advent of Realism, 1865-1914) or ELIT 48BH Major American Writers (The Advent of Realism, 1865-1914) - HONORS	4

Group 4

Courses	Units
ELIT 48B Major American Writers (The Advent of Realism, 1865-1914) or ELIT 48BH Major American Writers (The Advent of Realism, 1865-1914) - HONORS	4
ELIT 48C Major American Writers (The Modern Age, 1914-the Present) or ELIT 48CH Major American Writers (The Modern Age, 1914-the Present) - HONORS	4

List B - Complete one course if Required Core - Option 1 is selected or two courses if Required Core - Option 2 is selected (4-10 Units)

Courses	Units
ELIT 10 Introduction to Fiction or ELIT 10H Introduction to Fiction - HONORS	4
ELIT 11 Introduction to Poetry	4
ELIT 12 Introduction to Dramatic Literature	4
ELIT 17 Introduction to Shakespeare or ELIT 17H Introduction to Shakespeare - HONORS	4
EWRT 30 Introduction to Creative Writing	5
EWRT 40 Fiction Writing	5
EWRT 41 Poetry Writing	5

List C - Complete one course below or from List A or B (not already taken) (4 Units)

Courses	Units
ANTH 6 Linguistic Anthropology	4
ELIT 8 Children's Literature	4
ELIT 19 Introduction to the Bible as Literature	4
ELIT 21 Women in Literature also listed as WMST 21	4
ELIT 22 Mythology and Folklore	4
ELIT 24 Asian Pacific American Literature also listed as ASAM 20	4
ELIT 28 Young Adult Literature	4
ELIT 38 Utopian/Dystopian Literature	4

Courses	Units
ELIT 39 Contemporary Literature	4
ELIT 40 African American Literature	4
ELIT 41 Ethnic Literature of the United States or ELIT 41H Ethnic Literature of the United States - HONORS	4

Major Units Required	29-35
Transfer General Education Units Required	51-62 CSU GE or (IGETC for CSU)
Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units
Total Units Required	**90**

Certificate of Achievement (COA)
Film/TV: Animation

Program Description

The Film/TV: Animation Certificate of Achievement sequence provides a solid foundation for students interested in pursuing a career in the film, TV, game or internet animation industries, students seeking the full A.A degree, and students planning to transfer to a baccalaureate degree program in Animation. Students are exposed to professional pre-production and production animation methods including story development, storyboard design, character design, 2D hand-drawn animation, 2D digital animation, stop-motion and 3D computer animation.

Program Learning Outcomes

Upon completion, students will be able to

- Apply basic animation principles to 2D and 3D characters and objects
- Apply principles of cinematic design to storyboards and environments
- Apply concept development and sound design skills for creative storytelling

Program Requirements

Complete the following

Courses	Units
F/TV 66A Basic Techniques of Animation: Stop Motion	3
F/TV 67A Principles of Animation: 2D Media	4
F/TV 68A Sound for Animation	3
F/TV 70A The Storyboard and Visual Development for Animation	3
F/TV 71G Introduction to 3D Computer Animation: Modeling	4
F/TV 71H Introduction to 3D Computer Animation: Character Motion	4

Complete one course (4 Units)

Courses	Units
F/TV 6A Screenwriting Fundamentals for Film/Video I	4
F/TV 72G Animated Film Pre-Production Workshop	4

Total Units Required: 25

Certificate of Achievement (COA)
Film/TV: Production

Program Description

The Film/TV: Production Certificate of Achievement provides a solid introduction to production for students interested in pursuing a career in the film or television industry or a bachelor's degree in Film, Television and Electronic Media. Students are exposed to various facets of professional film and television production, including producing, screenwriting, directing, cinematography, editing and sound design.

Program Learning Outcomes

Upon completion, students will be able to

- Develop pre-production skills including screenwriting, location scouting, scheduling and budgeting
- Utilize narrative techniques and visual storytelling to communicate a message
- Operate a film/video camera, sound and lighting equipment on a remote or studio shoot
- Use and apply principles of editing and post-production techniques
- Understand film and television’s greater role in the current global media context

Program Requirements

Complete the following

Courses	Units
F/TV 1 Introduction to Cinematic Arts or F/TV 1H Introduction to Cinematic Arts - HONORS	4
F/TV 6A Screenwriting Fundamentals for Film/Video I	4
F/TV 10 Introduction to Electronic Media or F/TV 10H Introduction to Electronic Media - HONORS	4
F/TV 20 Beginning Video Production	4
F/TV 27 Nonlinear Editing	4

Complete one course (4 Units)

Courses	Units
F/TV 22 Beginning 16mm Motion Picture Production	4
F/TV 23 Beginning TV Studio Production	4
F/TV 39 Intermediate Digital Film and Video Production	4

Total Units Required: 24

Certificate of Achievement-Advanced (COA-A)

Film/TV: Production

Program Description

The Film/TV: Production Certificate of Achievement-Advanced provides a more highly developed introduction to production for students interested in pursuing a career in the film or television industry or a bachelor's degree in Film, Television and Electronic Media. Students are exposed to various facets of professional film and television production, including producing, screenwriting, directing, cinematography, editing and sound design.

Program Learning Outcomes

Upon completion, students will be able to

- Develop pre-production skills including screenwriting, location scouting, scheduling and budgeting
- Apply dramatic skills to cast, evaluate and direct talent
- Utilize narrative techniques and visual storytelling to communicate
- Operate a film camera, sound and lighting equipment in a remote or studio shoot
- Use and apply principles of editing and post-production techniques
- Develop a distribution plan for a film or video
- Understand film and television's greater role in the current global media context

Program Requirements

Complete the following

Courses	Units
F/TV 1 Introduction to Cinematic Arts or F/TV 1H Introduction to Cinematic Arts - HONORS	4
F/TV 6A Screenwriting Fundamentals for Film/Video I	4
F/TV 10 Introduction to Electronic Media or F/TV 10H Introduction to Electronic Media - HONORS	4
F/TV 20 Beginning Video Production	4
F/TV 22 Beginning 16mm Motion Picture Production	4
F/TV 26 Introduction to Film/Television Directing	4
F/TV 27 Nonlinear Editing	4

Complete one course (4-4.5 Units)

Courses	Units
F/TV 2A History of Cinema (1895-1950) (4) or F/TV 2AH History of Cinema (1895-1950) - HONORS (4) or F/TV 2AW History of Cinema (1895-1950) (4.5) or F/TV 2AWH History of Cinema (1895-1950) - HONORS (4.5)	4-4.5
F/TV 2B History of Cinema (1950-Present) (4) or F/TV 2BH History of Cinema (1950-Present) - HONORS (4) or F/TV 2BW History of Cinema (1950-Present) (4.5) or F/TV 2BWH History of Cinema (1950-Present) - HONORS (4.5)	4-4.5
F/TV 2C Contemporary World Cinema (4) or F/TV 2CH Contemporary World Cinema - HONORS (4) or F/TV 2CW Contemporary World Cinema (4.5) or F/TV 2CWH Contemporary World Cinema - HONORS (4.5)	4-4.5

Complete one course (4 Units)

Courses	Units
F/TV 23 Beginning TV Studio Production	4
F/TV 39 Intermediate Digital Film and Video Production	4
F/TV 44A 16mm/35mm Film Production I	4

Complete a minimum of eight units below or from above (not already taken) (8 Units)

Courses	Units
ARTS 1A Introduction to the Visual Arts	4
F/TV 29 Lighting for Film and Television	4
F/TV 30 Location Recording and Sound Design	3
F/TV 31 Audio Post-Production	3
F/TV 41 Film Genres	4

Courses	Units
F/TV 42 National Cinemas	4
F/TV 43 Film Artists	4
F/TV 44B 16mm/35mm Film Production II	4
F/TV 45 History of Experimental Film/Video	4
F/TV 48 series F/TV 48S, 48T, 48U, 48V Film/Television Production Workshop	1-4
F/TV 56A Introduction to Visual Effects and Color Grading	4
F/TV 57A Nonfiction Workshop I: The Documentary	4
F/TV 57B Nonfiction Workshop II: The Documentary	4
F/TV 59 Role of the Media Producer	4
F/TV 60B Screenwriting Fundamentals for Film/Video II	4
F/TV 60C Screenwriting Fundamentals for Film/Video III	4
F/TV 64A Advanced Screenwriting Workshop I	4
F/TV 64B Advanced Screenwriting Workshop II	4
F/TV 64C Advanced Screenwriting Workshop III	4
F/TV 65 Current Practices in the Film/Video Profession	4
F/TV 70A The Storyboard and Visual Development for Animation	3
F/TV 71G Introduction to 3D Computer Animation: Modeling	4
F/TV 71H Introduction to 3D Computer Animation: Character Motion	4
F/TV 75G History of Animation (1900-Present)	4
F/TV 78 series F/TV 78W, 78X Special Topics in Film Studies	1-2
F/TV 92 Special Topics: Industry Professionals and Practices	1
F/TV 98G Fiction Workshop (The Writer, Producer, Director)	3
F/TV 98H Fiction Workshop (The Technical Crew)	3
F/TV 98J Fiction Workshop (Editing/Post Production)	3
PHTG 1 Basic Photography	3
THEA 1 Appreciation of Theatre	4
THEA 80A Theory and Technique of Acting for the Camera	4
THEA 80B Theory and Technique of Advanced Acting for the Camera	4

Total Units Required: 44-44.5

Associate in Arts (A.A.) Degree

Film/TV: Animation

Program Description

The Film/TV: Animation A.A. degree provides a foundation for students interested in pursuing a career in the film, TV, game or Internet animation industries. Students are exposed to professional pre-production and production animation methods including storyboard design, character design, 2D hand-drawn, 2D digital animation, 3D stop-motion and 3D computer animation. Students select electives that will help build skills for such specific career goals as 2D and 3D animators, illustrators, storyboard artists, visual development artists and background artists.

Program Learning Outcomes

Upon completion, students will be able to

- Apply basic animation principles to 2D and 3D characters and objects
- Apply principles of cinematic design to storyboards and environments
- Apply screenwriting fundamentals and sound design skills for creative storytelling
- Apply interdisciplinary skills to animation pre-production and production
- Identify and examine the history of the development of animation and contemporary practices in animation

Program Requirements

Complete the following

Courses	Units
ARTS 4A Beginning Drawing	4
ARTS 4C Life Drawing	4
F/TV 20 Beginning Video Production	4
F/TV 66A Basic Techniques of Animation: Stop Motion	3
F/TV 67A Principles of Animation: 2D Media	4
F/TV 68A Sound for Animation	3
F/TV 70A The Storyboard and Visual Development for Animation	3
F/TV 71G Introduction to 3D Computer Animation: Modeling	4
F/TV 71H Introduction to 3D Computer Animation: Character Motion	4
F/TV 75G History of Animation (1900-Present)	4

Complete one course (3-4 Units)

Courses	Units
ARTS 54 Introduction to Graphic Design: Digital Imaging	4
PHTG 58A Photographic Photoshop I	3

Complete one course (4 Units)

Courses	Units
F/TV 6A Screenwriting Fundamentals for Film/Video I	4
F/TV 72G Animated Film Pre-Production Workshop	4

Complete a minimum of four units below or from above (not already taken) (4 Units)

Courses	Units
ARTS 8 Two-Dimensional Design	4
ARTS 10A Three-Dimensional Design	4
ARTS 12 Design and Color	4
ARTS 15A Acrylic Painting I	4
ARTS 16A Oil Painting I	4
ARTS 85 Graphic Design: Motion Graphics	4
F/TV 1 Introduction to Cinematic Arts or F/TV 1H Introduction to Cinematic Arts - HONORS	4
F/TV 2A History of Cinema (1895-1950) or F/TV 2AH History of Cinema (1895-1950) - HONORS	4
F/TV 2B History of Cinema (1950-Present) or F/TV 2BH History of Cinema (1950-Present) - HONORS	4
F/TV 2C Contemporary World Cinema or F/TV 2CH Contemporary World Cinema - HONORS	4
F/TV 10 Introduction to Electronic Media or F/TV 10H Introduction to Electronic Media - HONORS	4
F/TV 27 Nonlinear Editing	4
F/TV 29 Lighting for Film and Television	4
F/TV 30 Location Recording and Sound Design	3
F/TV 31 Audio Post-Production	3
F/TV 56A Introduction to Visual Effects and Color Grading	3
F/TV 72H Animated Film Production Workshop	4
F/TV 72J Animated Film Post-Production Workshop	4
F/TV 75K Japanese Animation	4
PHTG 4 Introduction to Digital Photography	3
PHTG 57A Commercial Lighting I	3
THEA 80A Theory and Technique of Acting for the Camera	4

Major Units Required	48-49
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts (A.A.) Degree

Film/TV: Production

Program Description

The Film/TV: Production A.A. degree provides a more highly developed introduction to production for students interested in pursuing a career in the film or television industry or a bachelor's degree in Film, Television and Electronic Media. Students are exposed to various facets of professional film and television production, including producing, screenwriting, directing, cinematography, editing and sound design.

Program Learning Outcomes

Upon completion, students will be able to

- Develop pre-production skills including screenwriting, location scouting, scheduling and budgeting
- Apply dramatic skills to cast, evaluate and direct talent
- Utilize narrative techniques and visual storytelling to communicate
- Operate a film camera, sound and lighting equipment in a remote or studio shoot
- Use and apply principles of editing and post-production techniques
- Develop a distribution plan for a film or video
- Understand film and television’s greater role in the current global media context

Program Requirements

Complete the following

Courses	Units

Courses	Units
F/TV 1 Introduction to Cinematic Arts or F/TV 1H Introduction to Cinematic Arts - HONORS	4
F/TV 6A Screenwriting Fundamentals for Film/Video I	4
F/TV 10 Introduction to Electronic Media or F/TV 10H Introduction to Electronic Media - HONORS	4
F/TV 20 Beginning Video Production	4
F/TV 22 Beginning 16mm Motion Picture Production	4
F/TV 26 Introduction to Film/Television Directing	4
F/TV 27 Nonlinear Editing	4

Complete one course (4-4.5 Units)

Courses	Units
F/TV 2A History of Cinema (1895-1950) (4) or F/TV 2AH History of Cinema (1895-1950) - HONORS (4) or F/TV 2AW History of Cinema (1895-1950) (4.5) or F/TV 2AWH History of Cinema (1895-1950) - HONORS (4.5)	4-4.5
F/TV 2B History of Cinema (1950-Present) (4) or F/TV 2BH History of Cinema (1950-Present) - HONORS (4) or F/TV 2BW History of Cinema (1950-Present) (4.5) or F/TV 2BWH History of Cinema (1950-Present) - HONORS (4.5)	4-4.5
F/TV 2C Contemporary World Cinema (4) or F/TV 2CH Contemporary World Cinema - HONORS (4) or F/TV 2CW Contemporary World Cinema (4.5) or F/TV 2CWH Contemporary World Cinema - HONORS (4.5)	4-4.5

Complete one course (4 Units)

Courses	Units
F/TV 23 Beginning TV Studio Production	4
F/TV 39 Intermediate Digital Film and Video Production	4
F/TV 44A 16mm/35mm Film Production I	4

Complete a minimum of eight units below or from above (not already taken) (8 Units)

Courses	Units
ARTS 1A Introduction to the Visual Arts	4
F/TV 29 Lighting for Film and Television	4
F/TV 30 Location Recording and Sound Design	3
F/TV 31 Audio Post-Production	3
F/TV 41 Film Genres	4
F/TV 42 National Cinemas	4
F/TV 43 Film Artists	4
F/TV 44B 16mm/35mm Film Production II	4
F/TV 45 History of Experimental Film/Video	4
F/TV 48 series F/TV 48S, 48T, 48U, 48V Film/Television Production Workshop	1-4
F/TV 56A Introduction to Visual Effects and Color Grading	4
F/TV 57A Nonfiction Workshop I: The Documentary	4
F/TV 57B Nonfiction Workshop II: The Documentary	4
F/TV 59 Role of the Media Producer	4
F/TV 60B Screenwriting Fundamentals for Film/Video II	4
F/TV 60C Screenwriting Fundamentals for Film/Video III	4
F/TV 64A Advanced Screenwriting Workshop I	4
F/TV 64B Advanced Screenwriting Workshop II	4
F/TV 64C Advanced Screenwriting Workshop III	4
F/TV 65 Current Practices in the Film/Video Profession	4
F/TV 70A The Storyboard and Visual Development for Animation	3
F/TV 71G Introduction to 3D Computer Animation: Modeling	4
F/TV 71H Introduction to 3D Computer Animation: Character Motion	4
F/TV 75G History of Animation (1900-Present)	4
F/TV 78 series F/TV 78W, 78X Special Topics in Film Studies	1-2
F/TV 92 Special Topics: Industry Professionals and Practices	1
F/TV 98G Fiction Workshop (The Writer, Producer, Director)	3
F/TV 98H Fiction Workshop (The Technical Crew)	3
F/TV 98J Fiction Workshop (Editing/Post Production)	3
PHTG 1 Basic Photography	3
THEA 1 Appreciation of Theatre	4
THEA 80A Theory and Technique of Acting for the Camera	4
THEA 80B Theory and Technique of Advanced Acting for the Camera	4

Major Units Required	44-44.5
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units

Total Units Required 90

Associate in Arts (A.A.) Degree

Film/TV: Screenwriting

Program Description

The Film/TV: Screenwriting A.A. degree provides a foundation for students interested in pursuing a career in screenwriting for film or pursuing a bachelor's degree in Film/Television. Students are exposed to the craft and business of screenwriting. In order to fulfill the major requirements, students take each course in the screenwriting series, courses in cinema studies and media theory and basic production courses.

Program Learning Outcomes

Upon completion, students will be able to

- Apply the principles of cinematic story, character and theme to screenwriting
- Write both short and feature-length screenplays with good technique and craft
- Execute the step-by-step process of screenwriting from concept and idea to completed screenplay
- Apply all aspects of story and character to oral pitches
- Understand the business of screenwriting and how to best position themselves for success

Program Requirements

Complete the following

Courses	Units
F/TV 1 Introduction to Cinematic Arts or F/TV 1H Introduction to Cinematic Arts - HONORS	4
F/TV 2A History of Cinema (1895-1950) or F/TV 2AH History of Cinema (1895-1950) - HONORS	4
F/TV 2B History of Cinema (1950-Present) or F/TV 2BH History of Cinema (1950-Present) - HONOR	4
F/TV 6A Screenwriting Fundamentals for Film/Video I	4
F/TV 10 Introduction to Electronic Media or F/TV 10H Introduction to Electronic Media - HONORS	4
F/TV 20 Beginning Video Production	4
F/TV 60B Screenwriting Fundamentals for Film/Video II	4
F/TV 60C Screenwriting Fundamentals for Film/Video III	4
F/TV 64A Advanced Screenwriting Workshop I	4

Complete a minimum of 12 units

Courses	Units
ARTS 1A Introduction to the Visual Arts	4
F/TV 2C Contemporary World Cinema (4) or F/TV 2CH Contemporary World Cinema - HONORS (4) or F/TV 2CW Contemporary World Cinema (4.5) or F/TV 2CWH Contemporary World Cinema - HONORS (4.5)	4-4.5
F/TV 22 Beginning 16mm Motion Picture Production	4
F/TV 23 Beginning TV Studio Production	4
F/TV 26 Introduction to Film/Television Directing	4
F/TV 29 Lighting for Film and Television	4
F/TV 30 Location Recording and Sound Design	3
F/TV 31 Audio Post-Production	3
F/TV 39 Intermediate Digital Film and Video Production	4
F/TV 41 Film Genres	4
F/TV 42 National Cinemas	4
F/TV 43 Film Artists	4
F/TV 44A 16mm/35mm Film Production I	4
F/TV 44B 16mm/35mm Film Production II	4
F/TV 45 History of Experimental Film/Video	4
F/TV 56A Introduction to Visual Effects and Color Grading	4
F/TV 57A Nonfiction Workshop I: The Documentary	4
F/TV 57B Nonfiction Workshop II: The Documentary	4
F/TV 59 Role of the Media Producer	4
F/TV 64B Advanced Screenwriting Workshop II	4
F/TV 64C Advanced Screenwriting Workshop III	4
F/TV 65 Current Practices in the Film/Video Profession	4
F/TV 75G History of Animation (1900-Present)	4
F/TV 78 series F/TV 78W, 78X Special Topics in Film Studies	1-2

Courses	Units
F/TV 92 Special Topics: Industry Professionals and Practices	1
F/TV 98G Fiction Workshop (The Writer, Producer, Director)	3
F/TV 98H Fiction Workshop (The Technical Crew)	3
F/TV 98J Fiction Workshop (Editing/Post Production)	3
HUMI 1 Creative Minds or HUMI 1H Creative Minds - HONORS	4
HUMI 2 But Is It Art? Questions and Criticism	4
HUMI 15 Discussion on the Arts	4
PHTG 1 Basic Photography	3
THEA 1 Appreciation of Theatre	4

Major Units Required	48
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Science for Transfer (A.S.-T.) Degree

Associate in Science in Film, Television, and Electronic Media for Transfer

Program Description

The Film, Television, and Electronic Media major consists of courses appropriate for an Associate in Science in Film, Television, and Electronic Media for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline, and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Science in Film, Television, and Electronic Media for Transfer is intended for students who plan to complete a bachelor's degree in Film, Television, and Electronic Media (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate media literacy as a key part of the development of critical thinking skills
- Analyze film, television and electronic media through the application of diverse critical approaches and within the context of technology, business, cultural production, entertainment medium and art form
- Describe and analyze the history, issues and impact of film, television and electronic media in a global context
- Demonstrate preproduction skills in the design and creation of content for film, television and electronic media with a focus on screenwriting, location scouting, casting, scheduling and budgeting
- Demonstrate basic operational and craft skills for film, television and electronic media production and postproduction technologies and workflow
- Demonstrate professionalism and understanding of workforce protocol in communication and behavior

Program Requirements

Complete the following required core courses (12 Units)

Courses	Units
F/TV 1 Introduction to Cinematic Arts or F/TV 1H Introduction to Cinematic Arts - HONORS	4
F/TV 6A Screenwriting Fundamentals for Film/Video I	4
F/TV 10 Introduction to Electronic Media or F/TV 10H Introduction to Electronic Media - HONORS	4

List A - Complete each area (10 Units)

Area 1: Audio - Complete two courses

Courses	Units
F/TV 30 Location Recording and Sound Desig	3
F/TV 31 Audio Post-Production	3

Area 2: Video or Film Production - Complete one course

Courses	Units
F/TV 20 Beginning Video Production	4
F/TV 22 Beginning 16mm Motion Picture Production	4
F/TV 23 Beginning TV Studio Production	4

List B - Complete one course below or from List A (not already taken) (4-4.5 Units)

Courses	Units
F/TV 2A History of Cinema (1895-1950) (4) or F/TV 2AH History of Cinema (1895-1950) - HONORS (4) or F/TV 2AW History of Cinema (1895-1950) (4.5) or F/TV 2AWH History of Cinema (1895-1950) - HONORS (4.5)	4-4.5
F/TV 2B History of Cinema (1950-Present) (4) or F/TV 2BH History of Cinema (1950-Present) - HONORS (4) or F/TV 2BW History of Cinema (1950-Present) (4.5) or F/TV 2BWH History of Cinema (1950-Present) - HONORS (4.5)	4-4.5
F/TV 2C Contemporary World Cinema (4) or F/TV 2CH Contemporary World Cinema - HONORS (4) or F/TV 2CW Contemporary World Cinema (4.5) or F/TV 2CWH Contemporary World Cinema - HONORS (4.5)	4-4.5

List C - Complete one course below or from List A or B (not already taken) (1-4 Units)

Courses	Units
F/TV 26 Introduction to Film/Television Directing	4
F/TV 27 Nonlinear Editing	4
F/TV 29 Lighting for Film and Television	4
F/TV 39 Intermediate Digital Film and Video Production	4
F/TV 41 Film Genres	4
F/TV 42 National Cinemas	4
F/TV 43 Film Artists	4
F/TV 44A 16mm/35mm Film Production I	4
F/TV 44B 16mm/35mm Film Production II	4
F/TV 45 History of Experimental Film/Video	4
F/TV 48 series F/TV 48S, 48T, 48U, 48V Film/Television Production Workshop	1-4
F/TV 56A Introduction to Visual Effects and Color Grading	4
F/TV 57A Nonfiction Workshop I: The Documentary	4
F/TV 57B Nonfiction Workshop II: The Documentary	4
F/TV 59 Role of the Media Producer	4
F/TV 60B Screenwriting Fundamentals for Film/Video II	4
F/TV 60C Screenwriting Fundamentals for Film/Video III	4
F/TV 64A Advanced Screenwriting Workshop I	4
F/TV 64B Advanced Screenwriting Workshop II	4
F/TV 64C Advanced Screenwriting Workshop III	4
F/TV 65 Current Practices in the Film/Video Profession	4
F/TV 66A Basic Techniques of Animation: Stop Motion	3
F/TV 67A Principles of Animation: 2D Media	4
F/TV 68A Sound for Animation	3
F/TV 70A The Storyboard and Visual Development for Animation	3
F/TV 71G Introduction to 3D Computer Animation: Modeling	4
F/TV 71H Introduction to 3D Computer Animation: Character Motion	4
F/TV 72G Animated Film Pre-Production Workshop	4
F/TV 72H Animated Film Production Workshop	4
F/TV 72J Animated Film Post-Production Workshop	4
F/TV 75G History of Animation (1900-Present)	4
F/TV 75K Japanese Animation	4
F/TV 78 series F/TV 78W, 78X Special Topics in Film Studies	1-2
F/TV 92 Special Topics: Industry Professionals and Practices	1
F/TV 98G Fiction Workshop (The Writer, Producer, Director)	3
F/TV 98H Fiction Workshop (The Technical Crew)	3
F/TV 98J Fiction Workshop (Editing/Post Production)	3

Major Units Required	27-30.5
General Education Units Required	51-62 CSU GE or (IGETC for CSU)
Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units

Total Units Required 90

Certificate of Achievement (COA)

French Language and Culture

Program Description

The Certificate of Achievement in French Language and Culture is designed to offer students the opportunity to discover another culture and to help Francophile students broaden theirs. It is also suitable for students with French links. The certificate enables students to engage with the growing French-speaking communities in the Bay Area and to travel, study, work or get involved with businesses in 29 different countries. The certificate will satisfy a language transfer requirement and could be used in graduate work across multiple fields such as anthropology, art, history and linguistics.

Program Learning Outcomes

Upon completion, students will be able to

- Communicate and express basic opinions about abstract topics
- Enable production of discourse level writing related to personal experiences
- Demonstrate an understanding of the cultures and histories of French-speaking peoples and countries
- Engage critically with socially constructed cultural and social distinctions examined through the lens of students' own cultural learnings and backgrounds

Program Requirements

Complete the following

Courses	Units
FREN 1 Elementary French (First Quarter)	5
FREN 2 Elementary French (Second Quarter)	5
FREN 3 Elementary French (Third Quarter)	5

Complete one course (4 Units)

Courses	Units
ARTS 2B History of Art: Europe During the Middle Ages and the Renaissance	4
ARTS 2C History of Art: Europe from the Baroque Period Through Impressionism	4
F/TV 2A History of Cinema (1895-1950) or F/TV 2AH History of Cinema (1895-1950) - HONORS	4
F/TV 2B History of Cinema (1950-Present) or F/TV 2BH History of Cinema (1950-Present) - HONORS	4
GEO 4 Cultural Geography	4
HIST 6C History of Western Civilization: 1750 C.E. to Present or HIST 6CH History of Western Civilization: 1750 C.E. to Present - HONORS	4
INTL 5 Contemporary Global Issues	4
JOUR 2 Media and Its Impact on Society	4
LING 1 Introduction to Linguistics	4

Total Units Required: 19

Certificate of Achievement (COA)
German Language and Culture

Program Description

The Certificate of Achievement in German Language and Culture offers opportunities for students to engage with the growing first- and second-generation German immigrant communities in the Bay Area, and to become global citizens. German is also an excellent major or minor for those who plan to pursue graduate work in areas such as philosophy, anthropology, history, linguistics or business. Understanding the diversity of cultural, historical and social contexts in the German-speaking world will provide new insights and a critical lens. This certificate will not only satisfy a language requirement but could also help students prepare for competing and cooperating in the international arena, since Germany is the largest economy in the European Union. The certificate can also promote multicultural understanding and spur personal and intellectual growth. It may open up additional opportunities for students who pursue studying abroad, since Germany is among the top non-English speaking countries in sponsoring academic exchanges through programs like Fulbright.

Program Learning Outcomes

Upon completion, students will be able to

- Engage in communicative tasks that require describing personal experiences in the present with some references to the past; expressing basic opinions about abstract topics; understanding main ideas and supporting textual details; producing discourse level writing related to personal experiences
- Demonstrate an understanding of the diversity of cultural, historical, and regional contexts of German-speaking peoples and cultures
- Engage critically with constructions of cultural and social differences (as expressed through language) while examining one's own cultural positioning and assumptions

Program Requirements

Complete the following

Courses	Units
GERM 1 Elementary German (First Quarter)	5
GERM 2 Elementary German (Second Quarter)	5

Courses	Units
GERM 3 Elementary German (Third Quarter)	5

Complete one course (4-5 Units)

Courses	Units
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS ANTH 6 Linguistic Anthropology	4
COMM 16 Interpersonal Communication or COMM 16H Interpersonal Communication - HONORS	5
F/TV 2A History of Cinema (1895-1950) or F/TV 2AH History of Cinema (1895-1950) - HONORS	4
GEO 4 Cultural Geography	4
INTL 5 Contemporary Global Issues	4
INTL 16 Multicultural Voices in Germany	4
JOUR 2 Media and Its Impact on Society	4
LING 1 Introduction to Linguistics	4

Total Units Required: 19-20

Associate in Arts for Transfer (A.A.-T.) Degree

Associate in Arts in History for Transfer

Program Description

The History major consists of courses appropriate for an Associate in Arts in History for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Arts in History for Transfer is intended for students who plan to complete a bachelor's degree in History (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate and apply historical knowledge to support defensible statements of meaning and evaluation about a time period's developments
- Use secondary and primary sources to construct historical analyses of the human condition within the context of various cultures, civilizations and time periods

Program Requirements

Complete the following core courses (12 Units)

Courses	Units
HIST 17A History of the United States to Early National Era or HIST 17AH History of the United States to Early National Era - HONORS	4
HIST 17B History of the United States from 1800 to 1900 or HIST 17BH History of the United States from 1800 to 1900 - HONORS	4
HIST 17C History of the United States from 1900 to the Present or HIST 17CH History of the United States from 1900 to the Present- HONORS	4

List A - Complete one option from below (12 Units)

Option 1

Courses	Units
HIST 3A World History from Prehistory to 750 CE or HIST 3AH World History from Prehistory to 750 CE - HONORS	4
HIST 3B World History from 750 to 1750 CE or HIST 3BH World History from 750 to 1750 CE - HONORS	4
HIST 3C World History from 1750 CE to the Present or HIST 3CH World History from 1750 CE to the Present - HONORS	4

Option 2

Courses	Units
HIST 6A History of Western Civilization: Pre-History to 750 C.E. or HIST 6AH History of Western Civilization: Pre-History to 750 C.E. - HONORS	4
HIST 6B History of Western Civilization: 750 C.E. to 1750 C.E. or HIST 6BH History of Western Civilization: 750 C.E. to 1750 C.E. - HONORS	4
HIST 6C History of Western Civilization: 1750 C.E. to Present or HIST 6CH History of Western Civilization: 1750 C.E. to Present - HONORS	4

List B - Complete one course from each area below (8 Units)

Area 1

Courses	Units

Courses	Units
HIST 7A Colonial Latin American History also listed as ICS 38A	4
HIST 7B Modern Latin American History also listed as ICS 38B	4
HIST 16A History of Africa to 1800 also listed as ICS 16A	4
HIST 16B History of Africa from 1800 to the Present also listed as ICS 16B	4
HIST 19A History of Asian Civilization: China and Japan (to the 19th Century) also listed as ASAM 42A	4
HIST 19B History of Asian Civilization: China and Japan (19th - 21st Centuries) also listed as ASAM 42B	4

Area 1

Courses	Units
HIST 9 Women in American History also listed as WMST 9 or HIST 9H Women in American History - HONORS also listed as WMST 9H	4
HIST 10 History of California or HIST 10H History of California - HONORS	4
HIST 18A African American History to 1865 also listed as AFAM 12A	4
HIST 18B African American History	4

Major Units Required	32
Transfer Gen. Ed. Units Required	51-62 CSU GE or (IGETC for CSU)
Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units
Total Units Required	**90**

Certificate of Achievement (COA)
Business Office Clerk

Program Description

Students in the Business Office Clerk Certificate of Achievement learn basic medical coding, health insurance claims billing, collections and appeals processing, medical records management and keyboarding. Students also participate in administrative skills externships in local clinical sites as part of the program.

Program Learning Outcomes

Upon completion, students will be able to

- Be eligible to be employed in a medical facility, hospital, clinic or doctor's office

Program Requirements

Complete the following, starting with HTEC 50 first.

Courses	Units
CIS 4* Computer Literacy	4.5
CIS 99* Office Software Applications	4.5
HTEC 50 Introduction to Health Technologies	2
HTEC 60A Basic Medical Terminology	3
HTEC 72 Medical Office Financial Procedures	1.5
HTEC 73 Medical Law and Ethics	3
HTEC 75 Electronic Health Records	1.5
HTEC 96E Business Office Clerk Externship	4
HTEC 101D Skill Building in Medical Office Financial Procedures	1

**You may substitute another CIS course of equal or greater unit value.*

Total Units Required: 25

Certificate of Achievement (COA)
Clinical Laboratory Assistant

Program Description

The Clinical Laboratory Assistant Certificate of Achievement is available to students who have successfully completed the four required courses of study. The Certificate of Achievement is a 12-month course of study that prepares students for a career as a Clinical Laboratory Assistant through classroom study. Graduates of the certificate program have a recognized skill set for jobs as a laboratory assistant and opportunity for advancement.

Program Learning Outcomes

Upon completion, students will be able to

- Qualify and be eligible for jobs as a clinical laboratory assistant

Program Requirements

Complete the following

Courses	Units
HTEC 80 Clinical Hematology Laboratory	1.5
HTEC 80A Clinical Hematology Lecture	4.5
HTEC 83 Clinical Microbiology Laboratory	1.5
HTEC 83A Clinical Microbiology Lecture	4.5
HTEC 84 Clinical Immunology/Immunohematology Laboratory	1.5
HTEC 84A Clinical Immunology/Immunohematology Lecture	4.5
HTEC 85A Clinical Chemistry I Laboratory	1.5
HTEC 85C Clinical Chemistry I Lecture	4.5

Total Units Required: 24

Certificate of Achievement (COA)

Insurance and Coding

Program Description

The Health Technologies Department developed this Certificate of Achievement to train students in basic and advanced procedural and disease coding, health insurance claims billing, insurance claims registry maintenance, tracing unpaid claims and evaluating rejected claims. Students also participate in administrative skills externships in local clinical sites as part of the program.

Program Learning Outcomes

Upon completion, students will be able to

- Be eligible to be employed in a medical facility, hospital, clinic or doctor's office
- Be prepared to pass the National Certified Coding Associate Examination

Program Requirements

Complete the following, starting with HTEC 50 first.

Courses	Units
HTEC 50 Introduction to Health Technologies	2
HTEC 60A Basic Medical Terminology	3
HTEC 60G Advanced Medical Terminology I	2
HTEC 60H Advanced Medical Terminology II	2
HTEC 61 Medical Communications	1.5
HTEC 72 Medical Office Financial Procedures	1.5
HTEC 73 Medical Law and Ethics	3
HTEC 76A Advanced Medical Coding I	1.5
HTEC 76B Advanced Medical Coding II	1.5
HTEC 96F Insurance and Coding Externship	4
HTEC 101C Skill Building in Medical Communications	1
HTEC 101D Skill Building in Medical Office Financial Procedures	1

Recommended: CIS 4, 99

Total Units Required: 24

Certificate of Achievement (COA)

Lab Assisting

Program Description

The Health Technologies Department developed this Certificate of Achievement to train students in the clinical skills of performing venipunctures, setting up lab tests, processing specimens for testing in clinical labs, performing electrocardiograms and recognizing arrhythmias. Students also participate in administrative skills externships in local clinical sites as part of the program.

Program Learning Outcomes

Upon completion, students will be able to

- Be eligible to be employed in a medical facility, hospital, clinic or doctor's office
- Be prepared to pass the National Phlebotomy and EKG Certification Examinations

Program Requirements

Complete the following, starting with HTEC 50 first.

Student must present current American Red Cross First Aid or American Heart Association First Aid card and American Heart Association Basic Life Support (BLS) CPR/AED card to receive the certificate.

Courses	Units
HTEC 50 Introduction to Health Technologies	2
HTEC 60A Basic Medical Terminology	3
HTEC 64A Clinical Laboratory Procedures I	1.5

Courses	Units
HTEC 64B Clinical Laboratory Procedures II	3
HTEC 73 Medical Law and Ethics	3
HTEC 90G Basic Patient Care	1.5
HTEC 91 Medical Office Diagnostic Tests	1.5
HTEC 95B Phlebotomy Technician I Externship	3
HTEC 96H EKG Externship	4
HTEC 101A Skill Building in Clinical Laboratory Procedures II	1
HTEC 101B Skill Building in Basic Patient Care	1
HTEC 101F Skill Building in Medical Office Diagnostic Tests	1

Recommended

- *CIS 4, 99*
- *HILTH 57A*
- *HTEC 60G, 60H*

Total Units Required: 25.5

Certificate of Achievement (COA)
Medical File Clerk

Program Description

The Health Technologies Department developed this Certificate of Achievement to train students in the administrative skills of answering phones, keyboarding and filing medical reports. Students also participate in administrative skills externships in local clinical sites as part of the program.

Program Learning Outcomes

Upon completion, students will be able to

- Be eligible to be employed in a medical facility, hospital, clinic or doctor's office

Program Requirements

Complete the following, starting with HTEC 50 first.

Courses	Units
CIS 4* Computer Literacy	4.5
CIS 99* Office Software Applications	.5
HTEC 50 Introduction to Health Technologies	2
HTEC 60A Basic Medical Terminology	3
HTEC 73 Medical Law and Ethics	3
HTEC 75 Electronic Health Records	1.5
HTEC 96C Medical File Clerk Externship	4

**You may substitute another CIS course of equal or greater unit value.*

Total Units Required: 22.5

Certificate of Achievement (COA)
Medical Reception

Program Description

The Health Technologies Department developed this Certificate of Achievement to train students in the administrative skills of appointment scheduling, billing, insurance and coding and medical records management. Students also participate in administrative skills externships in local clinical sites as part of the program.

Program Learning Outcomes

Upon completion, students will be able to

- Be eligible to be employed in a medical facility, hospital, clinic or doctor's office

Program Requirements

Complete the following, starting with HTEC 50 first.

Student must present current American Red Cross First Aid or American Heart Association First Aid card and American Heart Association Basic Life Support (BLS) CPR/AED card to receive the certificate.

Courses	Units
CIS 4* Computer Literacy	4.5
HLTH 57A First Aid for the Community, Home, Wilderness, and Disasters	1
HTEC 50 Introduction to Health Technologies	2
HTEC 60A Basic Medical Terminology	3
HTEC 61 Medical Communications	1.5
HTEC 68 Medical Reception Externship	2
HTEC 71 Medical Office Reception	2
HTEC 72 Medical Office Financial Procedures	1.5

Courses	Units
HTEC 73 Medical Law and Ethics	3
HTEC 75 Electronic Health Records	1.5
HTEC 101C Skill Building in Medical Communications	1
HTEC 101D Skill Building in Medical Office Financial Procedures	1

**You may substitute another CIS course of equal or greater unit value.*

Recommended: CIS 99

Total Units Required: 24

Certificate of Achievement (COA)
Medical Records Clerk

Program Description

The Health Technologies Department developed this Certificate of Achievement to train students in the administrative skills of answering phones, providing customer service, managing medical records and keyboarding. Students also participate in administrative skills externships in local clinical sites as part of the program.

Program Learning Outcomes

Upon completion, students will be able to

- Be eligible to be employed in a medical facility, hospital, clinic or doctor's office

Program Requirements

Complete the following, starting with HTEC 50 first.

Courses	Units
CIS 4* Computer Literacy	4.5
CIS 99* Office Software Applications	4.5
HTEC 50 Introduction to Health Technologies	2
HTEC 60A Basic Medical Terminology	3
HTEC 71 Medical Office Reception	2
HTEC 73 Medical Law and Ethics	3
HTEC 75 Electronic Health Records	1.5
HTEC 96D Medical Record Clerk Externship	4

**You may substitute another CIS course of equal or greater unit value.*

Total Units Required: 24.5

Certificate of Achievement (COA)
Medical Transcribing with Editing

Program Description

The Health Technologies Department developed this Certificate of Achievement to train students in the administrative skills of transcribing medical dictation that details a patient's health care during an illness or after an injury and editing phrase recognition transcription. Students also participate in administrative skills externships in local clinical sites as part of the program.

Program Learning Outcomes

Upon completion, students will be able to

- Be eligible to be employed in a medical facility, hospital, clinic, doctor's office or research center

Program Requirements

Complete the following, starting with HTEC 50 first.

Courses	Units
HTEC 50 Introduction to Health Technologies	2
HTEC 60A Basic Medical Terminology	3
HTEC 60G Advanced Medical Terminology I	2
HTEC 60H Advanced Medical Terminology II	2
HTEC 61 Medical Communications	1.5
HTEC 73 Medical Law and Ethics	3
HTEC 74A Medical Transcription with Editing I	1.5
HTEC 74B Medical Transcription with Editing II	1.5
HTEC 74C Medical Transcription with Editing III	1.5
HTEC 96G Medical Transcription Externshi	4
HTEC 101C Skill Building in Medical Communications	1
HTEC 101H Skill Building in Medical Transcription and Editing I	1
HTEC 101J Skill Building in Medical Transcription and Editing II	1
HTEC 101K Skill Building in Medical Transcription and Editing III	1

Recommended: CIS 4, 99

Total Units Required: 26

Certificate of Achievement (COA)

Phlebotomy Technician I

Program Description

The Health Technologies Department developed this Certificate of Achievement to train students in the clinical skills of performing venipunctures, setting up lab tests and processing specimens for testing in clinical labs. Students also participate in administrative skills externships in local clinical sites as part of the program. The Phlebotomy Technician I program has been approved by the California Department of Public Health-Laboratory Field Services.

Program Learning Outcomes

Upon completion, students will be able to

- Be prepared to pass the National Phlebotomy Certification Examination

Program Requirements

Complete the following, starting with HTEC 50, CIS 4 and HLTH 57A first.

Student must present current American Red Cross First Aid or American Heart Association First Aid card and American Heart Association Basic Life Support (BLS) CPR/AED card to receive the certificate.

Courses	Units
CIS 4* Computer Literacy	4.5
HLTH 57A First Aid for the Community, Home, Wilderness, and Disasters	1
HTEC 50 Introduction to Health Technologies	2
HTEC 60A Basic Medical Terminology	3
HTEC 64A Clinical Laboratory Procedures I	1.5
HTEC 64B Clinical Laboratory Procedures II	3
HTEC 73 Medical Law and Ethics	3
HTEC 95B Phlebotomy Technician I Externship	3
HTEC 101A Skill Building in Clinical Laboratory Procedures II	1

**You may substitute another CIS course of equal or greater unit value.*

Recommended: CIS 99

Total Units Required: 22

Certificate of Achievement-Advanced (COA-A)

Medical Assisting

Program Description

The Health Technologies Department developed the Medical Assisting Certificate of Achievement-Advanced to train students in the fundamental clinical skills of reading vital signs, assisting with minor surgery, performing routine lab procedures, administering medication and the administrative skills of medical coding and medical records management. Students also participate in administrative skills externships in local clinical sites as part of the program.

Program Learning Outcomes

Upon completion, students will be able to

- Be prepared to pass the State Medical Assisting Certification Examination

Program Requirements

Complete the following, starting with HTEC 50 first.

Student must present current American Red Cross First Aid or American Heart Association First Aid card and American Heart Association Basic Life Support (BLS) CPR/AED card to receive the certificate.

Courses	Units
BIOL 54G* Applied Human Anatomy and Physiology: Levels of Organization	1.5
BIOL 54H* Applied Human Anatomy and Physiology: Support, Movement, and Integration	1.5
BIOL 54I* Applied Human Anatomy and Physiology: Coordination and Transport	1.5
BIOL 54J* Applied Human Anatomy and Physiology: Absorption, Excretion, and Reproduction	1.5
CIS 99** Office Software Applications	4.5
HLTH 57A First Aid for the Community, Home, Wilderness, and Disasters	1
HTEC 50 Introduction to Health Technologies	2
HTEC 60A Basic Medical Terminology	3
HTEC 60G Advanced Medical Terminology I	2
HTEC 60H Advanced Medical Terminology II	2
HTEC 61 Medical Communications	1.5

Courses	Units
HTEC 64A Clinical Laboratory Procedures I	1.5
HTEC 64B Clinical Laboratory Procedures II	3
HTEC 68 Medical Reception Externship	2
HTEC 71 Medical Office Reception	2
HTEC 72 Medical Office Financial Procedures	1.5
HTEC 73 Medical Law and Ethics	3
HTEC 74A Medical Transcription with Editing I	1.5
HTEC 75 Electronic Health Records	1.5
HTEC 90G Basic Patient Care	1.5
HTEC 90H Medical Office Sterile Technique	1.5
HTEC 91 Medical Office Diagnostic Tests	1.5
HTEC 93 Pharmacology for Medical Assistants	3
HTEC 94 Administration of Medications	1.5
HTEC 95A Medical Assisting Externship	3
HTEC 96A Medical Assisting Externship	4
HTEC 101A Skill Building in Clinical Laboratory Procedures II	1
HTEC 101B Skill Building in Basic Patient Care	1
HTEC 101C Skill Building in Medical Communications	1
HTEC 101D Skill Building in Medical Office Financial Procedures	1
HTEC 101E Skill Building in Medical Office Sterile Technique	1
HTEC 101F Skill Building in Medical Office Diagnostic Tests	1
HTEC 101H Skill Building in Medical Transcription and Editing I	1
HTEC 110 Health Technologies Employment Preparation	1.5

**BIOL 40A, 40B and 40C may be substituted for the BIOL 54G, 54H, 54I and 54J.*

***You may substitute another CIS course of equal or greater unit values.*

Total Units Required: 62.5

Certificate of Achievement-Advanced (COA-A)

Medical Laboratory Technology

Program Description

Note: To receive the Medical Laboratory Technology Certificate of Achievement-Advanced, students must have an A.A./A.S. degree or higher. The Medical Laboratory Technician (MLT) Certificate of Achievement-Advanced is available to students who have an associate or higher degree from an accredited U.S. institution or the evaluated equivalent from foreign study. The Certificate of Achievement-Advanced is a 15-month course of study (including one summer) that prepares students for a career as an MLT through classroom study and supervised clinical training. The MLT program provides students with a quality education that complies with the established standards and guidelines of an accredited laboratory training program. Graduates of the certificate program are eligible to sit for a state-approved national MLT certification examination.

Program Learning Outcomes

Upon completion, students will be able to

- Pass a state-approved national medical laboratory certification exam

Program Requirements

Complete the following prerequisite and requirements with a C grade or better.

Prerequisite: State of California Phlebotomy Certification

Complete the following (16 Units)

Courses	Units
BIOL 26 Introductory Microbiology	6
CHEM 30A Introduction to General, Organic and Biochemistry I	5
CHEM 30B Introduction to General, Organic and Biochemistry II	5

Complete one option (15-18 Units)

Option 1

Courses	Units
BIOL 6A Form and Function in the Biological World or BIOL 6AH Form and Function in the Biological World - HONORS	6
BIOL 6B Cell and Molecular Biology	6

Option 2

Courses	Units
BIOL 40A Human Anatomy and Physiology	5
BIOL 40B Human Anatomy and Physiology	5

Courses	Units
BIOL 40C Human Anatomy and Physiology	5

Prerequisite Units Required: 31-34

Requirements (57 Units)

Courses	Units
HTEC 80A Clinical Hematology Lecture	4.5
HTEC 80 Clinical Hematology Laboratory	1.5
HTEC 81A Clinical Urinalysis Lecture	1.5
HTEC 81 Clinical Urinalysis Laboratory	0.75
HTEC 82A Clinical Coagulation Lecture	1.5
HTEC 82 Clinical Coagulation Laboratory	0.75
HTEC 83A Clinical Microbiology Lecture	4.5
HTEC 83 Clinical Microbiology Laboratory	1.5
HTEC 84A Clinical Immunology/Immunohematology Lecture	4.5
HTEC 84 Clinical Immunology/Immunohematology Laboratory	1.5
HTEC 85C Clinical Chemistry I Lecture	4.5
HTEC 85A Clinical Chemistry I Laboratory	1.5
HTEC 85D Clinical Chemistry II Lecture	4.5
HTEC 85B Clinical Chemistry II Laboratory	1.5
HTEC 180 Clinical Hematology/Urinalysis/Coagulation Practicum	6
HTEC 183 Clinical Microbiology Practicum	6
HTEC 184 Clinical Immunology/Immunohematology Practicum	4.5
HTEC 185 Clinical Chemistry Practicum	6

Total Units Required, Including Prerequisites: 88-91

Associate in Arts (A.A.) Degree

Medical Laboratory Technology

Program Description

The A.A. degree in Medical Laboratory Technology is a 24-month course of study (including summers) that prepares students for a career as a medical laboratory technician through classroom study and supervised clinical training. The MLT program provides students with a quality education that complies with the established standards and guidelines of an accredited laboratory training program. Graduates of the degree program are eligible to sit for a state-approved national MLT certification examination.

Program Learning Outcomes

Upon completion, students will be able to

- Pass a state approved national medical laboratory certification exam

Program Requirements

Complete the following prerequisite and requirements with a C grade or better.

Prerequisite: State of California Phlebotomy Certification

Complete the following (16 Units)

Courses	Units
BIOL 26 Introductory Microbiology	6
CHEM 30A Introduction to General, Organic and Biochemistry I	5
CHEM 30B Introduction to General, Organic and Biochemistry II	5

Complete one option (15-18 Units)

Option 1

Courses	Units
BIOL 6A Form and Function in the Biological World or BIOL 6AH Form and Function in the Biological World - HONORS	6
BIOL 6B Cell and Molecular Biology	6

Option 2

Courses	Units
BIOL 40A Human Anatomy and Physiology	5
BIOL 40B Human Anatomy and Physiology	5
BIOL 40C Human Anatomy and Physiology	5

Prerequisite Units Required: 31-34

Requirements (57 Units)

Courses	Units
HTEC 80A Clinical Hematology Lecture	4.5
HTEC 80 Clinical Hematology Laboratory	1.5
HTEC 81A Clinical Urinalysis Lecture	1.5

Courses	Units
HTEC 81 Clinical Urinalysis Laboratory	0.75
HTEC 82A Clinical Coagulation Lecture	1.5
HTEC 82 Clinical Coagulation Laboratory	0.75
HTEC 83A Clinical Microbiology Lecture	4.5
HTEC 83 Clinical Microbiology Laboratory	1.5
HTEC 84A Clinical Immunology/Immunohematology Lecture	4.5
HTEC 84 Clinical Immunology/Immunohematology Laboratory	1.5
HTEC 85C Clinical Chemistry I Lecture	4.5
HTEC 85A Clinical Chemistry I Laboratory	1.5
HTEC 85D Clinical Chemistry II Lecture	4.5
HTEC 85B Clinical Chemistry II Laboratory	1.5
HTEC 180 Clinical Hematology/Urinalysis/Coagulation Practicum	6
HTEC 183 Clinical Microbiology Practicum	6
HTEC 184 Clinical Immunology/Immunohematology Practicum	4.5
HTEC 185 Clinical Chemistry Practicum	6

Major Units Required	88-91
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units

Total Units Required 90

Associate in Science (A.S.) Degree

Medical Assisting

Program Description

The Health Technologies Department developed the Medical Assisting A.S. degree to train students in the fundamental clinical skills of reading vital signs, assisting with minor surgery, performing routine lab procedures, administering medication and the administrative skills of medical coding and medical records management. Students also participate in administrative skills externships in local clinical sites as part of the program.

Program Learning Outcomes

Upon completion, students will be able to

- Be prepared to pass the State Medical Assisting Certification Examination

Program Requirements

Complete the following, starting with HTEC 50 first.

Student must present current American Red Cross First Aid or American Heart Association First Aid card and American Heart Association Basic Life Support (BLS) CPR/AED card to receive the certificate.

Courses	Units
BIOL 54G* Applied Human Anatomy and Physiology: Levels of Organization	1.5
BIOL 54H* Applied Human Anatomy and Physiology: Support, Movement, and Integration	1.5
BIOL 54I* Applied Human Anatomy and Physiology: Coordination and Transport	1.5
BIOL 54J* Applied Human Anatomy and Physiology: Absorption, Excretion, and Reproduction	1.5
CIS 99** Office Software Applications	4.5
HLTH 57A First Aid for the Community, Home, Wilderness, and Disasters	1
HTEC 50 Introduction to Health Technologies	2
HTEC 60A Basic Medical Terminology	3
HTEC 60G Advanced Medical Terminology I	2
HTEC 60H Advanced Medical Terminology II	2
HTEC 61 Medical Communications	1.5
HTEC 64A Clinical Laboratory Procedures I	1.5
HTEC 64B Clinical Laboratory Procedures II	3
HTEC 68 Medical Reception Externship	2
HTEC 71 Medical Office Reception	2
HTEC 72 Medical Office Financial Procedures	1.5
HTEC 73 Medical Law and Ethics	3
HTEC 74A Medical Transcription with Editing I	1.5
HTEC 75 Electronic Health Records	1.5
HTEC 90G Basic Patient Care	1.5
HTEC 90H Medical Office Sterile Technique	1.5

Courses	Units
HTEC 91 Medical Office Diagnostic Tests	1.5
HTEC 93 Pharmacology for Medical Assistants	3
HTEC 94 Administration of Medications	1.5
HTEC 95A Medical Assisting Externship	3
HTEC 96A Medical Assisting Externship	4
HTEC 101A Skill Building in Clinical Laboratory Procedures II	1
HTEC 101B Skill Building in Basic Patient Care	1
HTEC 101C Skill Building in Medical Communications	1
HTEC 101D Skill Building in Medical Office Financial Procedures	1
HTEC 101E Skill Building in Medical Office Sterile Technique	1
HTEC 101F Skill Building in Medical Office Diagnostic Tests	1
HTEC 101H Skill Building in Medical Transcription and Editing I	1
HTEC 110 Health Technologies Employment Preparation	1.5

Recommended

- *PSYC 1*
- *SOC 1*

Major Units Required	62.5
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Certificate of Achievement (COA)

Humanities

Program Description

The Humanities Program educates students in the ways of thinking and acting from a global and interdisciplinary perspective by fostering engagement with the diverse, dynamic and interconnected products of human thought and creativity. The study of Humanities allows students to develop a foundational understanding of personal and community values, cultural views, religious beliefs and aesthetic practices and theories and how these shape the way we view the world and ourselves. The Certificate of Achievement in Humanities demonstrates the student's solid background in the critical and empathetic thinking skills that mark the deliberate thought processes and formation of complex questions without definitive answers that are the hallmark of the Humanities. This certificate allows students to acquire lifelong practices that foster true knowledge as distinct from an aggregate of information and facts. These skills and competencies are applicable across disciplines and will enrich a wide variety of majors and professional careers.

Program Learning Outcomes

Upon completion, students will be able to

- Synthesize critical, empathetic, creative, cooperative and independent thinking skills
- Demonstrate the ability, both orally and in writing, to analyze meaning within various modes of cultural production in relation to their political, economic, social and religious context
- Formulate knowledge of the deep connections between and within the complexities of diverse historical periods and cultural traditions as a framework for a dynamic understanding of the contemporary world
- Develop the practice of thinking through moral and ethical problems and examining one's own assumptions
- Deepen sources of wisdom through a complex understanding of how others have dealt with failures, successes, adversities and triumphs
- Cultivate the capacity for personal, as well as social change

Program Requirements

Complete five courses (20 Units)

Courses	Units
HUMI 1 Creative Minds or HUMI 1H Creative Minds - HONORS	4
HUMI 2 But is it Art? Questions and Criticism	4
HUMI 5 Storytelling in American Culture	4
HUMI 6 Popular Culture	4
HUMI 7 The Arts and the Human Spirit	4
HUMI 9 Introduction to Comparative Religion or HUMI 9H Introduction to Comparative Religion - HONORS	4
HUMI 10 Global Religious Perspectives: Judaism, Christianity and Islam	4

Courses	Units
HUMI 15 Discussion on the Arts	4
HUMI 16 Arts, Ideas and Values	4
HUMI 18 History as Mystery: A Critique of Western Perspectives in a Global Context or HUMI 18H History as Mystery: A Critique of Western Perspectives in a Global Context - HONORS	4
HUMI 20 The Greek Achievement	4

Total Units Required: 20

Certificate of Achievement-Advanced (COA-A)

Intercultural Studies

Program Description

The Certificate of Achievement-Advanced is an interdisciplinary program that provide both focused study of one or more ethnic groups and coursework that examines the social constructs and dynamics that govern our interactions with others. Students pursuing the Certificate of Achievement-Advanced in Intercultural Studies gain the knowledge and skills necessary for increasing their cultural sensitivity, cultural competence and social equity. This program enables them to work with confidence and increased effectiveness in a wide variety of international and multicultural settings.

Program Learning Outcomes

Upon completion, students will be able to

- Critically analyze social and political phenomena based on social constructs of race, class, ethnicity, gender, sexuality and identity to express cultural competence in local and global contexts
- Articulate the values, experiences and contributions of historically marginalized populations
- Demonstrate ability to interact in the workplace, community and other social contexts with sensitivity to individual and group-dynamic issues arising from political, economic and cultural experiences and positions

Program Requirements

Complete the following

Courses	Units
CETH 10 Race, Ethnicity and Inequality	4
CETH 11 Race and Ethnicity: Belonging and Exclusion in the U.S.	4
CETH 13 History of Art (Multicultural Arts in the United States) also listed as ARTS 2F	4
ICS 7 Intercultural Communication also listed as COMM 7 or ICS 7H Intercultural Communication - HONORS also listed as COMM 7H	4

Complete 24 units

African American

Courses	Units
AFAM 10 An Introduction to African American Studies	4
AFAM 11 Sankofa: Roots of the African American Experience	4
AFAM 12A African American History to 1865 also listed as HIST 18A	4
AFAM 12B African American History Since 1865 also listed as HIST 18B	4
ICS 16A History of Africa to 1800 also listed as HIST 16A	4
ICS 16B History of Africa from 1800 to the Present also listed as HIST 16B	4

Asian American

Courses	Units
ASAM 1 Asian American Experiences Past to Present	4
ASAM 10 Contemporary Asian American Communities	4
ASAM 11 Asian Americans and Racism	4
ASAM 12 Asian Americans and American Ideals, Institutions and Politics	4
ASAM 13 Asian Americans and Asia	4
ASAM 20 Asian Pacific American Literature also listed as ELIT 24	4
ASAM 21 Asian Pacific Americans Make Culture	4
ASAM 30 Filipinx American History and Culture	4
ASAM 42A History of Asian Civilization: China and Japan (to the 19th Century) also listed as HIST 19A	4
ASAM 42B History of Asian Civilization: China and Japan (19th - 21st Centuries) also listed as HIST 19B	4
NAIS 31 Ethnic Studies: Native Hawaiian and Pacific Islander Experiences	4

Chicano

Courses	Units
CHLX 10 Introduction to Chicanx and Latinx Studies	4
CHLX 11 Chicanx Culture	4
CHLX 12 Chicanx and Latinx History	4
CHLX 13 The Chicanx and Latinx and the Arts	4
ICS 35 Chicano/a, Latino/a Literature	4

Latin American

Courses	Units
ICS 38A Colonial Latin American History also listed as HIST 7A	4
ICS 38B Modern Latin American History also listed as HIST 7B	4

Multicultural

Courses	Units
CETH 29 Ethnic Studies, Cultural Pluralism and American Law and Justice also listed as ADMJ 29	4
HIST 3A World History from Prehistory to 750 CE or HIST 3AH World History from Prehistory to 750 CE - HONORS	4
HIST 3B World History from 750 to 1750 CE or HIST 3BH World History from 750 to 1750 CE - HONORS	4
HIST 3C World History from 1750 CE to the Present or HIST 3CH World History from 1750 CE to the Present - HONORS	4
ICS 2A Introduction to Peer Mentoring, Leadership, and Community Building	2
ICS 2B Practicum in Peer Mentoring, Leadership, and Community Building	2
ICS 17 Critical Consciousness and Social Change or ICS 17H Critical Consciousness and Social Change - HONORS	4
ICS 26 Introduction to Lesbian, Gay, Bisexual, Transgender and Queer Studies	4
ICS 47 Introduction to Disability Studies	4
ICS 77 series ICS 77, 77X, 77Y, 77Z Special Projects in Intercultural Studies	1-4
ICS 78 series ICS 78, 78W, 78X, 78Y, 78Z Special Group Projects in Intercultural Studies	0.5-4
WMST 8 Women of Color in the USA also listed as CETH 8	4

Native American

Courses	Units
NAIS 11 Native American Contemporary Society	4
NAIS 12 Ethnic Studies and the Historical Experiences of Native Americans	4
NAIS 13 Survey of Native American Arts	4
NAIS 14 Native American Religious Traditions	4
NAIS 15 Native American Literature	4
NAIS 16 California Native Americans	4

Total Units Required: 40

Associate in Arts (A.A.) Degree

Intercultural Studies

Program Description

The A.A. degree is an interdisciplinary program that provide both focused study of one or more ethnic groups and coursework that examines the social constructs and dynamics that govern our interactions with others. Students pursuing the A.A. degree in Intercultural Studies gain the knowledge and skills necessary for increasing their cultural sensitivity, cultural competence and social equity. This program enables them to work with confidence and increased effectiveness in a wide variety of international and multicultural settings.

Program Learning Outcomes

Upon completion, students will be able to

- Critically analyze social and political phenomena based on social constructs of race, class, ethnicity, gender, sexuality and identity to express cultural competence in local and global contexts
- Articulate the values, experiences and contributions of historically marginalized populations
- Demonstrate ability to interact in the workplace, community and other social contexts with sensitivity to individual and group-dynamic issues arising from political, economic and cultural experiences and positions

Program Requirements

Complete the following

Courses	Units
CETH 10 Race, Ethnicity and Inequality	4
CETH 11 Race and Ethnicity: Belonging and Exclusion in the U.S.	4

Courses	Units
CETH 13 History of Art (Multicultural Arts in the United States) also listed as ARTS 2F	4
ICS 7 Intercultural Communication also listed as COMM 7 or ICS 7H Intercultural Communication - HONORS also listed as COMM 7H	4

Complete 24 units

African American

Courses	Units
AFAM 10 An Introduction to African American Studies	4
AFAM 11 Sankofa: Roots of the African American Experience	4
AFAM 12A African American History to 1865 also listed as HIST 18A	4
AFAM 12B African American History Since 1865 also listed as HIST 18B	4
ICS 16A History of Africa to 1800 also listed as HIST 16A	4
ICS 16B History of Africa from 1800 to the Present also listed as HIST 16B	4

Asian American

Courses	Units
ASAM 1 Asian American Experiences Past to Present	4
ASAM 10 Contemporary Asian American Communities	4
ASAM 11 Asian Americans and Racism	4
ASAM 12 Asian Americans and American Ideals, Institutions and Politics	4
ASAM 13 Asian Americans and Asia	4
ASAM 20 Asian Pacific American Literature also listed as ELIT 24	4
ASAM 21 Asian Pacific Americans Make Culture	4
ASAM 30 Filipinx American History and Culture	4
ASAM 42A History of Asian Civilization: China and Japan (to the 19th Century) also listed as HIST 19A	4
ASAM 42B History of Asian Civilization: China and Japan (19th - 21st Centuries) also listed as HIST 19B	4
NAIS 31 Ethnic Studies: Native Hawaiian and Pacific Islander Experiences	4

Chicano

Courses	Units
CHLX 10 Introduction to Chicanx and Latinx Studies	4
CHLX 11 Chicanx Culture	4
CHLX 12 Chicanx and Latinx History	4
CHLX 13 The Chicanx and Latinx and the Arts	4
ICS 35 Chicano/a, Latino/a Literature	4

Latin American

Courses	Units
ICS 38A Colonial Latin American History also listed as HIST 7A	4
ICS 38B Modern Latin American History also listed as HIST 7B	4

Multicultural

Courses	Units
CETH 29 Ethnic Studies, Cultural Pluralism and American Law and Justice also listed as ADMJ 29	4
HIST 3A World History from Prehistory to 750 CE or HIST 3AH World History from Prehistory to 750 CE - HONORS	4
HIST 3B World History from 750 to 1750 CE or HIST 3BH World History from 750 to 1750 CE - HONORS	4
HIST 3C World History from 1750 CE to the Present or HIST 3CH World History from 1750 CE to the Present - HONORS	4
ICS 2A Introduction to Peer Mentoring, Leadership, and Community Building	2
ICS 2B Practicum in Peer Mentoring, Leadership, and Community Building	2
ICS 17 Critical Consciousness and Social Change or ICS 17H Critical Consciousness and Social Change - HONORS	4
ICS 26 Introduction to Lesbian, Gay, Bisexual, Transgender and Queer Studies	4
ICS 47 Introduction to Disability Studies	4
ICS 77 series ICS 77, 77X, 77Y, 77Z Special Projects in Intercultural Studies	1-4
ICS 78 series ICS 78, 78W, 78X, 78Y, 78Z Special Group Projects in Intercultural Studies	0.5-4
WMST 8 Women of Color in the USA also listed as CETH 8	4

Native American

Courses	Units
NAIS 11 Native American Contemporary Society	4
NAIS 12 Ethnic Studies and the Historical Experiences of Native Americans	4
NAIS 13 Survey of Native American Arts	4
NAIS 14 Native American Religious Traditions	4
NAIS 15 Native American Literature	4
NAIS 16 California Native Americans	4

Major Units Required	44
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Skills Certificate
Global Studies

Program Description

Skills Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. The Global Studies Skills Certificate is designed to enable students to meet the demands of living and working in a global society. This certificate provides an interdisciplinary approach to understanding the interdependence and interconnectedness of people from around the globe. By taking a variety of courses with a common, global focus, students gain the analytical skills to discuss political, economic and cultural elements of our global society from several perspectives. Students also gain the knowledge and skills necessary to work more effectively with people from a variety of backgrounds and cultures.

Program Learning Outcomes

Upon completion, students will be able to

- Integrate information about the environment, cultures, histories, politics, arts and economics of people around the world and explain their interdependence and interconnectedness
- Demonstrate cultural competence through the ability to interact effectively in international and multicultural settings based on an integrated understanding of global issues and perspectives

Program Requirements

Complete the following

Courses	Units
ES 1 Introduction to Environmental Studies	4
ICS 7 Intercultural Communication also listed as COMM 7 or ICS 7H Intercultural Communication - HONORS also listed as COMM 7H	4
INTL 5 Contemporary Global Issues	4
LIB 1 Library Research Skills	1

Complete one course (4 Units)

Courses	Units
HIST 3A World History from Prehistory to 750 CE or HIST 3AH World History from Prehistory to 750 CE - HONORS	4
HIST 3B World History from 750 to 1750 CE or HIST 3BH World History from 750 to 1750 CE - HONORS	4
HIST 3C World History from 1750 CE to the Present or HIST 3CH World History from 1750 CE to the Present - HONORS	4

Complete one course (4 Units)

Courses	Units
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
ECON 1 Principles of Macroeconomics or ECON 1H Principles of Macroeconomics - HONORS	4
GEO 10 World Regional Geography	4

Total Units Required: 21

Certificate of Achievement-Advanced (COA-A)
Global Studies

Program Description

The Global Studies Certificate of Achievement-Advanced is an interdisciplinary program that prepares students to be well-versed in world history, global issues and perspectives, geography and cultural competence as well as proficient in a foreign language. Elective options direct students to a course of study focused on world history, international business, globalization issues, language and culture and the arts and humanities in the global environment.

Students can take electives within one area of study, or mix electives from the various areas. The program prepares students for careers as citizens of the world and to navigate and communicate in a global environment.

Program Learning Outcomes

Upon completion, students will be able to

- Integrate information about the environment, cultures, histories, politics, arts and economics of people around the world and explain their interdependence and interconnectedness
- Demonstrate cultural competence through the ability to interact effectively in international and multicultural settings based on an integrated understanding of global issues and perspectives
- Demonstrate proficiency in a foreign language

Program Requirements

Complete the following

Courses	Units
ES 1 Introduction to Environmental Studies	4
ICS 7 Intercultural Communication also listed as COMM 7 or ICS 7H Intercultural Communication - HONORS also listed as COMM 7H	4
INTL 5 Contemporary Global Issues	4
LIB 1 Library Research Skills	1

Complete one course (4 Units)

Courses	Units
HIST 3A World History from Prehistory to 750 CE or HIST 3AH World History from Prehistory to 750 CE - HONORS	4
HIST 3B World History from 750 to 1750 CE or HIST 3BH World History from 750 to 1750 CE - HONORS	4
HIST 3C World History from 1750 CE to the Present or HIST 3CH World History from 1750 CE to the Present - HONORS	4

Complete one course (4 Units)

Courses	Units
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
ECON 1 Principles of Macroeconomics or ECON 1H Principles of Macroeconomics - HONORS	4
GEO 10 World Regional Geography	4

One year (three quarters) of college-level world language (15 Units)

Courses	Units
World Languages offered: French, German, Hindi, Italian, Japanese, Korean, Mandarin, Persian, Russian, Sign Language, Spanish and Vietnamese	15

Total Units Required: 36

Certificate of Achievement-Advanced (COA-A)

World Languages and Culture

Program Description

The Certificate of Achievement-Advanced in World Languages and Culture offers students the opportunity to develop their multilingual abilities and to understand multicultural perspectives, so they can engage with non-English-speaking communities in the Bay Area and with travel, law, and business and nongovernmental organizations around the globe. The De Anza community is already multicultural and multilingual and this certificate will support the students of this community by providing the opportunity to formally study and further develop their language abilities. As understanding the diversity of languages and cultures provides a critical lens, the study of world languages is an excellent ancillary for those who plan to pursue undergraduate or graduate work in areas such as Anthropology, History, Law, Chicanx Studies, Linguistics or Business. The Certificate of Achievement-Advanced in World Languages and Culture will satisfy the transfer language requirement, and it will offer additional benefits for those engaging in future study or work in civil service or the private sector.

Program Learning Outcomes

Upon completion, students will be able to

- Engage in communicative tasks that require describing personal experiences in the present with some references to the past; expressing basic opinions about issues of relevance in one´s life; understanding main ideas and supporting details in aural and written discourse; producing discourse-level writing related to one´s life experiences
- Demonstrate an understanding of the diversity of cultural, historical, and regional contexts of the peoples and cultures of the world
- Engage critically with constructions of cultural and social differences (as expressed through language) while examining one´s own cultural positionings and assumptions

Program Requirements

Complete two options (20-30 Units)

Option 1

Courses	Units
FREN 1* Elementary French (First Quarter)	5
FREN 2 Elementary French (Second Quarter)	5
FREN 3 Elementary French (Third Quarter)	5

Option 2

Courses	Units
GERM 1* Elementary German (First Quarter)	5
GERM 2 Elementary German (Second Quarter)	5
GERM 3 Elementary German (Third Quarter)	5

Option 3

Courses	Units
HNDI 1* Elementary Hindi (First Quarter)	5
HNDI 2 Elementary Hindi (Second Quarter)	5
HNDI 3 Elementary Hindi (Third Quarter)	5

Option 4

Courses	Units
ITAL 1* Elementary Italian (First Quarter)	5
ITAL 2 Elementary Italian (Second Quarter)	5
ITAL 3 Elementary Italian (Third Quarter)	5

Option 5

Courses	Units
JAPN 1* Elementary Japanese (First Quarter)	5
JAPN 2 Elementary Japanese (Second Quarter)	5
JAPN 3 Elementary Japanese (Third Quarter)	5

Option 6

Courses	Units
KORE 1* Elementary Korean (First Quarter)	5
KORE 2 Elementary Korean (Second Quarter) or KORE 2H Elementary Korean (Second Quarter) - HONORS	5
KORE 3 Elementary Korean (Third Quarter) or KORE 3H Elementary Korean (Third Quarter) - HONORS	5

Option 7

Courses	Units
MAND 1* Elementary Mandarin (First Quarter)	5
MAND 2 Elementary Mandarin (Second Quarter)	5
MAND 3 Elementary Mandarin (Third Quarter)	5

Option 8

Courses	Units
PERS 1* Elementary Persian (First Quarter)	5
PERS 2 Elementary Persian (Second Quarter)	5
PERS 3 Elementary Persian (Third Quarter)	5

Option 9

Courses	Units
RUSS 1* Elementary Russian (First Quarter)	5
RUSS 2 Elementary Russian (Second Quarter)	5
RUSS 3 Elementary Russian (Third Quarter)	5

Option 10

Courses	Units
SIGN 1 Elementary American Sign Language (First Quarter)	5
SIGN 2 Elementary American Sign Language (Second Quarter)	5

Option 11

Courses	Units
SPAN 1* Elementary Spanish (First Quarter)	5
SPAN 2 Elementary Spanish (Second Quarter)	5
SPAN 3 Elementary Spanish (Third Quarter)	5

Option 12

Courses	Units
VIET 1* Elementary Vietnamese (First Quarter)	5
VIET 2 Elementary Vietnamese (Second Quarter)	5
VIET 3 Elementary Vietnamese (Third Quarter)	

Complete one course below or from above (not already taken) if 30 units completed above OR two courses below or from above (not already taken) if 25 units completed above OR three courses below or from above (not already taken) if 20 units completed above (4-15 Units)

Courses	Units
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
ANTH 6 Linguistic Anthropology	4

Courses	Units
ARTS 2B History of Art: Europe During the Middle Ages and the Renaissance	4
ARTS 2C History of Art: Europe from the Baroque Period Through Impressionism	4
ASAM 1 Asian American Experiences Past to Present	4
ASAM 13 Asian Americans and Asia	4
ASAM 40 History of Art: Arts of Asia also listed as ARTS 2G	4
ASAM 41 Introduction to Korean Popular Culture also listed as HUMI 13	4
ASAM 42A History of Asian Civilization: China and Japan (to the 19th Century) also listed as HIST 19A	4
ASAM 42B History of Asian Civilization: China and Japan (19th - 21st Centuries) also listed as HIST 19B	4
CHLX 10 Introduction to Chicanx and Latinx Studies	4
CHLX 11 Chicanx Culture	4
CHLX 12 Chicanx and Latinx History	4
CHLX 13 The Chicanx and Latinx and the Arts	4
CHLX 26 La Mujer: Latina Life and Experience also listed as WMST 26	4
COMM 7 Intercultural Communication also listed as ICS 7 or COMM 7H Intercultural Communication - HONORS also listed as ICS 7H	4
COMM 16 Interpersonal Communication or COMM 16H Interpersonal Communication - HONORS	5
F/TV 2A History of Cinema (1895-1950) or F/TV 2AH History of Cinema (1895-1950) - HONORS	4
F/TV 2B History of Cinema (1950-Present) or F/TV 2BH History of Cinema (1950-Present) - HONORS	4
GEO 4 Cultural Geography	4
HIST 6C History of Western Civilization: 1750 C.E. to Present or HIST 6CH History of Western Civilization: 1750 C.E. to Present - HONORS	4
ICS 35 Chicano/a, Latino/a Literature	4
INTL 5 Contemporary Global Issues	4
INTL 16 Multicultural Voices in Germany	4
JOUR 2 Media and Its Impact on Society	4
LING 1 Introduction to Linguistics	4
SPAN 4 Intermediate Spanish (First Quarter)	5

**Level 1 courses need not be taken if students are cleared into level 2.*

Note: This certificate can also be earned by completing at least two language-specific certificates of achievement.

Total Units Required: 32-35

Associate in Arts (A.A.) Degree

Global Studies

Program Description

The Global Studies A.A. degree is an interdisciplinary program that prepares students to be well-versed in world history, global issues and perspectives, geography and cultural competence as well as proficient in a foreign language. Elective options direct students to a course of study focused on world history, international business, globalization issues, language and culture and the arts and humanities in the global environment. Students can take electives within one area of study, or mix electives from the various areas. The program prepares students for careers as citizens of the world and to navigate and communicate in a global environment.

Program Learning Outcomes

Upon completion, students will be able to

- Integrate information about the environment, cultures, histories, politics, arts and economics of people around the world and explain their interdependence and interconnectedness
- Demonstrate cultural competence through the ability to interact effectively in international and multicultural settings based on an integrated understanding of global issues and perspectives
- Demonstrate proficiency in a foreign language

Program Requirements

Complete the following

Courses	Units
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
ECON 1 Principles of Macroeconomics or ECON 1H Principles of Macroeconomics - HONORS	4
ES 1 Introduction to Environmental Studies	4
GEO 10 World Regional Geography	4
ICS 7 Intercultural Communication also listed as COMM 7 or ICS 7H Intercultural Communication - HONORS also listed as COMM 7H	4

Courses	Units
INTL 5 Contemporary Global Issues	4
LIB 1 Library Research Skills	1

Complete one course (4 Units)

Courses	Units
HIST 3A World History from Prehistory to 750 CE or HIST 3AH World History from Prehistory to 750 CE - HONORS	4
HIST 3B World History from 750 to 1750 CE or HIST 3BH World History from 750 to 1750 CE - HONORS	4
HIST 3C World History from 1750 CE to the Present or HIST 3CH World History from 1750 CE to the Present - HONORS	4

Language Requirement (0-15 Units)

Courses	Units
One year (three quarters) of college-level world language or three years of high school foreign language or the equivalent.	0-15

Complete 24 units

Selections may be from one area of study or a combination of areas of emphasis. The HIST World History courses completed above, as a major core requirement may not also count toward completion of the 24 major elective units.

Arts and Humanities

Courses	Units
ARTS 2A History of Art: Europe from Prehistory Through Early Christianity	4
ARTS 2B History of Art: Europe During the Middle Ages and the Renaissance	4
ARTS 2C History of Art: Europe from the Baroque Period Through Impressionism	4
ARTS 2D History of Art: Europe and the United States from Post-Impressionism to the Present	4
ARTS 2G History of Art: Arts of Asia also listed as ASAM 40	4
ARTS 2H History of Art: Native Arts of Mesoamerica and the Andes also listed as INTL 21	4
ARTS 2J History of Art: Arts of Africa, Oceania and Native North America also listed as INTL 22	4
ARTS 3TC Women and Art also listed as WMST 3C	4
ASAM 32 Vietnamese Literature from Traditional to Asian American Expressions	4
ASAM 41 Introduction to Korean Popular Culture also listed as HUMI 13	4
F/TV 2A History of Cinema (1895-1950) or F/TV 2AH History of Cinema (1895-1950) - HONORS F/TV 2B History of Cinema (1950-Present) or F/TV 2BH History of Cinema (1950-Present) - HONORS	4
F/TV 42 National Cinemas	4
HUMI 9 Introduction to Comparative Religion or HUMI 9H Introduction to Comparative Religion - HONORS	4
HUMI 10 Global Religious Perspectives: Judaism, Christianity and Islam	4
INTL 16 Multicultural Voices in Germany	4
MUSI 1C Music Appreciation: World Music in America	4

Global Environment

Courses	Units
ES 6 Introduction to Environmental Law	4
ESCI 19 Environmental Biology	5
ESCI 30 Introduction to Conservation Biology	5
GEO 1 Physical Geography	4

Globalization Issues

Courses	Units
BUS 21 Business and Society	5
CIS 2 Computers and the Internet in Society	4
INTL 33 Introduction to Peace and Conflict Studies	4
POLI 3 International Relations	4
SOC 1 Introduction to Sociology	4

International Business

Courses	Units
BUS 21 Business and Society	5
BUS 56 Human Relations in the Workplace	5
BUS 60 International Business Management	5
BUS 70 Principles of E-Commerce	5
BUS 87 Introduction to Selling	4
BUS 89 Advertising	5

Courses	Units
BUS 90 Principles of Marketing	5
ECON 2 Principles of Microeconomics or ECON 2H Principles of Microeconomics - HONORS	4
POLI 3 International Relations	4

World History

Courses	Units
ANTH 4 World Prehistory	4
HIST 3A World History from Prehistory to 750 CE or HIST 3AH World History from Prehistory to 750 CE - HONORS	4
HIST 3B World History from 750 to 1750 CE or HIST 3BH World History from 750 to 1750 CE - HONORS	4
HIST 3C World History from 1750 CE to the Present or HIST 3CH World History from 1750 CE to the Present - HONORS	4
HIST 6A History of Western Civilization: Pre-History to 750 C.E. or HIST 6AH History of Western Civilization: Pre-History to 750 C.E. - HONORS	4
HIST 6B History of Western Civilization: 750 C.E. to 1750 C.E. or HIST 6BH History of Western Civilization: 750 C.E. to 1750 C.E. - HONORS	4
HIST 6C History of Western Civilization: 1750 C.E. to Present or HIST 6CH History of Western Civilization: 1750 C.E. to Present - HONORS	4
HIST 7A Colonial Latin American History also listed as ICS 38A	4
HIST 7B Modern Latin American History also listed as ICS 38B	4
HIST 16A History of Africa to 1800 also listed as ICS 16A	4
HIST 16B History of Africa from 1800 to the Present also listed as ICS 16B	4
HIST 19A History of Asian Civilization: China and Japan (to the 19th Century) also listed as ASAM 42A	4
HIST 19B History of Asian Civilization: China and Japan (19th - 21st Centuries) also listed as ASAM 42B	4
ICS 37 Ancient Peoples of Mesoamerica	4

World Languages

Courses	Units
ANTH 6 Linguistic Anthropology	4
LING 1 Introduction to Linguistics	4
World Lang. World Language units in addition to Language Requirement above*	5-15

**World Languages offered: French, German, Hindi, Italian, Japanese, Korean, Mandarin, Persian, Russian, Sign Language, Spanish and Vietnamese*

Major Units Required	53-68
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Certificate of Achievement (COA)

Italian Language and Culture

Program Description

The Certificate of Achievement in Italian Language and Culture offers opportunities to appreciate the Italian language and culture, as well as dig into the interconnections between Italian culture, Latin American culture and Italian American culture. Italian is an excellent major or minor for those who plan to pursue graduate work in areas such as philosophy, anthropology, history, linguistics or business. Understanding the diversity of cultural, historical and social contexts in the Italian-speaking world will provide new insights and a critical lens. The certificate will enhance the multicultural education that De Anza aims to foster and will open additional opportunities for students who plan to study abroad.

Program Learning Outcomes

Upon completion, students will be able to

- Engage in communicative tasks that require describing personal experiences in the present with some references to the past; expressing basic opinions about abstract topics; understanding main ideas and supporting textual details; producing discourse level writing related to personal experiences
- Demonstrate an understanding of the diversity of cultural, historical, and regional contexts of Italian-speaking peoples and cultures
- Engage critically with constructions of cultural and social differences (as expressed through language) while

examining one´s own cultural positioning and assumptions

Program Requirements

Complete the following

Courses	Units
ITAL 1 Elementary Italian (First Quarter)	5
ITAL 2 Elementary Italian (Second Quarter)	5
ITAL 3 Elementary Italian (Third Quarter)	5

Complete one course (4-5 Units)

Courses	Units
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
ANTH 6 Linguistic Anthropology	4
ARTS 2B History of Art: Europe During the Middle Ages and the Renaissance	4
ARTS 2C History of Art: Europe from the Baroque Period Through Impressionism	4
COMM 7 Intercultural Communication also listed as ICS 7 or COMM 7H Intercultural Communication - HONORS also listed as ICS 7H	4
COMM 16 Interpersonal Communication or COMM 16H Interpersonal Communication - HONORS	5
F/TV 2B History of Cinema (1950-Present) or F/TV 2BH History of Cinema (1950-Present) - HONORS	4
GEO 4 Cultural Geography	4
HIST 6C History of Western Civilization: 1750 C.E. to Present or HIST 6CH History of Western Civilization: 1750 C.E. to Present - HONORS	4
INTL 5 Contemporary Global Issues	4
JOUR 2 Media and Its Impact on Society	4
LING 1 Introduction to Linguistics	4

Total Units Required: 19-20

Certificate of Achievement (COA)
Public Relations

Program Description

The Certificate of Achievement in Public Relations meets the needs of community college students and working professionals in areas such as sales, fundraising or marketing who wish to expand their skill repertoire in the area of public relations. Potential careers upon completion include public relations specialist, public relations and fundraising manager, or advertising and promotion manager.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate competency in the basics of journalistic and public relations writing, including structure of a story and a press release
- Demonstrate competency in research, information gathering and critical analysis of information using techniques such as observation, online research and interviewing
- Summarize appropriate steps to gain employment in public relations industry

Program Requirements

Complete the following

Courses	Units
BUS 90 Principles of Marketing	5
JOUR 2 Media and Its Impact on Society	4
JOUR 21A News Writing and Reporting	3
JOUR 21B Feature Writing and Reporting	3
JOUR 80 Introduction to Public Relations	4

Complete one course (3-5 Units)

Courses	Units
BUS 94 Social Media Marketing Strategies	5
JOUR 61A Student News Media Production I	3

Total Units Required: 22-24

Certificate of Achievement-Advanced (COA-A)
Public Relations

Program Description

The Certificate of Achievement-Advanced in Public Relations meets the needs of community college students seeking training in a skill set in preparation for a career in public relations, promotions, marketing communication or fundraising.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate competency in the basics of journalistic and public relations writing, including structure of a story and a press release
- Demonstrate competency in research, information gathering and critical analysis of information using techniques such as observation, online research and interviewing
- Demonstrate understanding of marketing and communication in organizational structures
- Summarize appropriate steps to gain employment in public relations industry

Program Requirements

Complete the following

Courses	Units
BUS 90 Principles of Marketing	5
BUS 94 Social Media Marketing Strategies	5
JOUR 2 Media and Its Impact on Society	4
JOUR 21A News Writing and Reporting	3
JOUR 21B Feature Writing and Reporting	3
JOUR 61A Student News Media Production I	3
JOUR 80 Introduction to Public Relations	4

Complete three courses (11-15 Units)

Courses	Units
BUS 10 Introduction to Business	5
BUS 89 Advertising	5
COMM 70 Organizational Communication or COMM 70H Organizational Communication - HONORS	5
EWRT 1B Reading, Writing and Research or EWRT 1BH Reading, Writing and Research - HONORS	5
EWRT 2 Critical Reading, Writing and Thinking or EWRT 2H Critical Reading, Writing and Thinking - HONORS	5
JOUR 61B Student News Media Production II	3
JOUR 61C Editorial Leadership for Student News Media	3

Total Units Required: 38-42

Associate in Arts (A.A.) Degree

Journalism

Program Description

The Journalism A.A. degree prepares students to transfer to a four-year university in journalism, mass communications, public relations, advertising or related disciplines and offers students sufficient training to obtain an internship at a media outlet in print or electronic journalism or within the field of new media.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate competency in the basics of journalistic writing, including grammar, punctuation, story structure and journalistic styles
- Demonstrate competency in research, information gathering and critical analysis of information using techniques such as observation, researching sources and interviewing
- Compile a portfolio of print, electronic and/or multimedia projects that tell journalistic stories
- Apply media literacy skills to explain the communication process and detect media bias
- Summarize steps appropriate to gain employment in a mass communications industry

Program Requirements

Complete prerequisite (5 Units)

Courses	Units
EWRT 1A Composition and Reading or EWRT 1AH Composition and Reading - HONORS or EWRT 1AT Intensive Composition and Reading Stretch: Second Quarter	5

Complete the following

Courses	Units
JOUR 2 Media and Its Impact on Society	4
JOUR 21A News Writing and Reporting	3
JOUR 21B Feature Writing and Reporting	3
JOUR 61A Student News Media Production I	3
PHTG 4 Introduction to Digital Photography	3

Complete one course (5 Units)

Courses	Units
EWRT 1B Reading, Writing and Research or EWRT 1BH Reading, Writing and Research - HONORS	5

Courses	Units
EWRT 2 Critical Reading, Writing and Thinking or EWRT 2H Critical Reading, Writing and Thinking - HONORS	5

Complete two courses (2-8 Units)

Courses	Units
JOUR 61B Student News Media Production II	3
JOUR 61C Editorial Leadership for Student News Media	3
JOUR 62A Freelance Reporting for Student Media	1
JOUR 62B Freelance Photography for Student Media	1
JOUR 62C Freelance Video Production for Student Media	1
JOUR 62D Freelance Digital Production for Student Media	1
JOUR 62E Freelance Graphic Production for Student Media	1
JOUR 62F Freelance Copy Editing for Student Media	1
JOUR 77W Special Projects in Journalism	1
JOUR 78 series JOUR 78W, 78X Special Topics in Journalism	1-2
JOUR 80 Introduction to Public Relations	4
JOUR 90 Introduction to Multimedia Reporting	4

Complete a minimum of four units (4 Units)

Courses	Units
ARTS 53 Introduction to Graphic Design: Vector Illustration	4
ARTS 56 Graphic Design: Page Layout for Digital Publishing	4
CETH 29 Ethnic Studies, Cultural Pluralism and American Law and Justice also listed as ADMJ 29	4
CIS 89A Web Page Development	4.5
COMM 9 Argumentation: Analysis of Oral and Written Communication or COMM 9H Argumentation: Analysis of Oral and Written Communication - HONORS	5
EWRT 65A Literary Magazine I, National Edition	2
EWRT 65AX Literary Magazine I, National Edition	3
EWRT 68A Literary Magazine I, Student Edition	2
EWRT 68AX Literary Magazine I, Student Edition	3
F/TV 20 Beginning Video Production	4
ICS 7 Intercultural Communication also listed as COMM 7 or ICS 7H Intercultural Communication - HONORS also listed as COMM 7H	4
LIB 1 Library Research Skills	1
POLI 1 American Government and Politics or POLI 1H American Government and Politics - HONORS	5

Major Units Required	27-33
General Education Units Required	32-43
Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts for Transfer (A.A.-T.) Degree

Associate in Arts in Journalism for Transfer

Program Description

The Journalism major consists of courses appropriate for an Associate in Arts in Journalism for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). Jobs in the field include journalist, multimedia producer, editor, writer, publication designer, copy editor, social media specialist, content producer, newsletter editor, public relations representative, publicist, sportswriter and photojournalist. The Associate in Arts in Journalism for Transfer is intended for students who plan to complete a bachelor's degree in Journalism (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate competency in the basics of journalistic writing, including grammar, punctuation, story structure and journalistic styles

- Demonstrate competency in research, information gathering and critical analysis of information using techniques such as observation, researching sources and interviewing
- Compile a portfolio of print, electronic and/or multimedia projects that tell journalistic stories
- Apply media literacy skills to explain the communication process and detect media bias
- Identify and apply the steps appropriate to gain employment in a mass communications industry

Program Requirements

Complete the following required core courses (13 Units)

Courses	Units
JOUR 2 Media and Its Impact on Society	4
JOUR 21A News Writing and Reporting	3
JOUR 21B Feature Writing and Reporting	3
JOUR 61A Student News Media Production I	3

List A - Complete one option (4-6 Units)

Option 1

Courses	Units
JOUR 61B Student News Media Production II	3
JOUR 61C Editorial Leadership for Student News Media	3

Option 2

Courses	Units
JOUR 80 Introduction to Public Relations	4

Option 3

Courses	Units
JOUR 90 Introduction to Multimedia Reporting	4

List B - Complete three courses (11-15 Units)

Courses	Units
COMM 8 Argumentation and Critical Inquiry in Oral Communication or COMM 8H Argumentation and Critical Inquiry in Oral Communication - HONORS	5
ECON 1 Principles of Macroeconomics or ECON 1H Principles of Macroeconomics - HONORS or ECON 2 Principles of Microeconomics or ECON 2H Principles of Microeconomics - HONORS	4
EWRT 2 Critical Reading, Writing and Thinking or EWRT 2H Critical Reading, Writing and Thinking - HONORS	5
MATH 10 Introductory Statistics or MATH 10H Introductory Statistics - HONORS or PSYC 15 Statistics and Research Methods in Social Science also listed as SOC 15	4-5
PHTG 1 Basic Photography	3
POLI 1 American Government and Politics or POLI 1H American Government and Politics - HONORS	5
POLI 2 Comparative Politics	4

Major Units Required	28-34
Transfer General Education Units Required	51-62 CSU GE or (IGETC for CSU)
Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units
Total Units Required	**90**

Certificate of Achievement (COA)
Manual Therapy

Program Description

The Certificate of Achievement in Manual Therapy sequence is designed to provide an introduction to the discipline of Kinesiology by supplying information and practical experience to students interested in pursuing careers related to manual therapy, such as physical therapy, occupational therapy, orthopedic medicine and athletic training. A student who successfully completes a Certificate of Achievement will acquire a minimum of 72 hours of observation and practical experience working in an adapted physical education classroom and athletic training room. These hours will satisfy some or all application requirements for "observation and experience" for upper-division programs depending on application requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Identify common conditions in disability related health care/adapted physical education and sports medicine related/athletic training environments
- Recognize and safely implement a variety of manual therapies in an adapted physical education and sports medicine environments

Program Requirements

Complete the following

Courses	Units
BIOL 40A Human Anatomy and Physiology	5
KNES 46 Care and Prevention of Athletic Injuries	4
KNES 90 Introduction to Manual Therapy - Sports Medicine	5
KNES 90AX Manual Therapy Internship - Sports Medicine Level 1	1
KNES 91 Introduction to Manual Therapy - Disabilities	5
KNES 91AX Manual Therapy Internship - Disabilities Level 1	1

Total Units Required: 21

Associate in Arts for Transfer (A.A.-T.) Degree

Associate in Arts in Kinesiology for Transfer

Program Description

The Kinesiology major consists of courses appropriate for an Associate in Arts in Kinesiology for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Arts in Kinesiology for Transfer is intended for students who plan to complete a bachelor's degree in Kinesiology (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Display increasing confidence in the ability to use a range of speaking, listening and collaboration skills
- Apply fitness concepts to individuals seeking training programs
- Analyze, evaluate and respond to requests for individualized fitness programs by weighing research, examining evidence and critical reasoning
- Display competence in a variety of sports and activities

Program Requirements

Complete the following required core courses (20 Units)

Courses	Units
BIOL 40A Human Anatomy and Physiology	5
BIOL 40B Human Anatomy and Physiology	5
BIOL 40C Human Anatomy and Physiology	5
KNES 45 Introduction to Kinesiology	5

List A - Complete a minimum of one unit from three different areas (3 Units)

Area 1 - Aquatics

Courses	Units
KNES 1A Novice Swimming	0.5
KNES 1B Beginning Swimming	0.5
KNES 1C Intermediate Swimming	0.5
KNES 1CX Intermediate Swimming	1
KNES 1D Advanced Swimming	0.5
KNES 1DX Advanced Swimming	1
KNES 2A Aerobic Swimming	0.5
KNES 2AX Aerobic Swimming	1

Area 2 - Combatives

Courses	Units
KNES 12D Beginning Karate	0.5
KNES 12DX Beginning Karate	1
KNES 12E Intermediate Karate	0.5
KNES 12EX Intermediate Karate	1

Area 3 - Dance

Courses	Units
DANC 22K Theory and Technique of Ballet I	1
DANC 22L Theory and Technique of Ballet II	1
DANC 22M Theory and Technique of Ballet III	1
DANC 23A Theory and Technique of Contemporary (Modern) Dance I	1

Courses	Units
DANC 23B Theory and Technique of Contemporary (Modern) Dance II	1
DANC 23C Theory and Technique of Contemporary (Modern) Dance III	1
DANC 23L Theory and Technique of Hip-Hop I (Popular American Dance)	1
DANC 23M Theory and Technique of Hip-Hop II (Popular American Dance II)	1
DANC 24A Theory and Technique of Social Dance I	1
DANC 24B Theory and Technique of Social Dance II	1
DANC 25A Theory and Technique of Salsa Dance I	1
DANC 25B Theory and Technique of Salsa Dance II	1
DANC 37A Theory and Technique of Jazz Dance I	1
DANC 37B Theory and Technique of Jazz Dance II	1
DANC 37C Theory and Technique of Jazz Dance III	1

Area 4 - Fitness

Courses	Units
DANC 22 Body Awareness and Conditioning for Dancers	1
KNES 2B Deep Water Running	0.5
KNES 2BX Deep Water Running	1
KNES 5A Indoor Cycling	0.5
KNES 5AX Indoor Cycling	1
KNES 5B High Intensity Indoor Cycling	0.5
KNES 5BX High Intensity Indoor Cycling	1
KNES 6A Aerobic Power Walking	0.5
KNES 6AX Aerobic Power Walking	1
KNES 7A Step Aerobics	0.5
KNES 7AX Step Aerobics	1
KNES 11A Cardio Kick	0.5
KNES 11AX Cardio Kick	1
KNES 15A Cross Training	0.5
KNES 15AX Cross Training	1
KNES 15C Total Fitness	0.5
KNES 15CX Total Fitness	1
KNES 15E Cardiovascular and Strength Training	0.5
KNES 15EX Cardiovascular and Strength Training	1
KNES 15EY Cardiovascular and Strength Training	1.5
KNES 16A Fit Camp	0.5
KNES 16AX Fit Camp	1
KNES 16AY Fit Camp	1.5
KNES 19A Strength Development	0.5
KNES 19AX Strength Development	1
KNES 19D Resistance Training 1	0.5
KNES 19DX Resistance Training 1	1
KNES 19E Body Sculpting	0.5
KNES 19EX Body Sculpting	1
KNES 19G Core Conditioning	0.5
KNES 19GX Core Conditioning	1
KNES 22A Hatha Yoga	0.5
KNES 22AX Hatha Yoga	1
KNES 22B Yoga for Relaxation	0.5
KNES 22BX Yoga for Relaxation	1
KNES 22C Power Yoga	0.5
KNES 22CX Power Yoga	1
KNES 22D Flow Yoga	0.5
KNES 22DX Flow Yoga	1
KNES 22E Yoga/Pilates Combo	0.5
KNES 22EX Yoga/Pilates Combo	1
KNES 25A Stretching	0.5
KNES 25AX Stretching	1
KNES 26A Basic Pilates Mat Exercise	0.5
KNES 26AX Basic Pilates Mat Exercise	1
KNES 26B Integrated Pilates Mat Exercise	0.5
KNES 26BX Integrated Pilates Mat Exercise	1
KNES 42C High Intensity Motor Training	0.5
KNES 42CX High Intensity Motor Training	1

Area 5 - Individual Sports

Courses	Units
KNES 12H Tai Chi	0.5

Courses	Units
KNES 12HX Tai Chi	1
KNES 12J Intermediate Tai Chi	0.5
KNES 12JX Intermediate Tai Chi	1
KNES 29A Fencing Level 1	0.5
KNES 29B Fencing Level 2	0.5
KNES 30A Beginning Golf	0.5
KNES 30B Advanced Beginning Golf	0.5
KNES 30BX Advanced Beginning Golf	1
KNES 30C Intermediate Golf	0.5
KNES 31A Beginning Badminton	0.5
KNES 31AX Beginning Badminton	1
KNES 31B Intermediate Badminton	0.5
KNES 31BX Intermediate Badminton	1
KNES 31C Advanced Badminton	0.5
KNES 31CX Advanced Badminton	1
KNES 32A Beginning Tennis	0.5
KNES 32AX Beginning Tennis	1
KNES 32B Advanced Beginning Tennis	0.5
KNES 32BX Advanced Beginning Tennis	1
KNES 32C Intermediate Tennis	0.5
KNES 32CX Intermediate Tennis	1
KNES 32D Advanced Tennis	1
KNES 32DX Advanced Tennis	1

Area 6 - Team Sports

Courses	Units
KNES 36A Team Sport - Basketball Level 1	0.5
KNES 36AX Team Sport - Basketball Level 1	1
KNES 37A Soccer	0.5
KNES 37AX Soccer	1
KNES 37B Soccer Level 2	0.5
KNES 37BX Soccer Level 2	1
KNES 37C Soccer Level 3	0.5
KNES 37CX Soccer Level 3	1
KNES 37E Indoor Soccer	0.5
KNES 38A Futsal Level 1	0.5
KNES 38AX Futsal Level 1	1
KNES 38B Futsal Level 2	0.5
KNES 38BX Futsal Level 2	1
KNES 38C Futsal Level 3	0.5
KNES 38CX Futsal Level 3	1
KNES 39A Volleyball Level 1	0.5
KNES 39AX Volleyball Level 1	1
KNES 39B Volleyball Level 2	0.5
KNES 39BX Volleyball Level 2	1
KNES 39C Volleyball Level 3	0.5
KNES 39CX Volleyball Level 3	1

List B - Complete two courses (10 Units)

Courses	Units
BIOL 11 Human Biology	5
CHEM 30A Introduction to General, Organic and Biochemistry I	5
MATH 10 Introductory Statistics or MATH 10H Introductory Statistics - HONORS	5

Major Units Required	33
Transfer General Education Units Required	51-62 CSU GE or (IGETC for CSU)
Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units
Total Units Required	**90**

Certificate of Achievement (COA)

Korean Language and Culture

Program Description

The Certificate of Achievement in Korean Language and Culture provides opportunities to engage in the Korean and Korean American communities of the Bay Area or participate in business and trade with Korea. For students who already speak Korean with

their families, the certificate will provide the opportunity to extend their linguistic repertoire and validate their knowledge, particularly as applied to their careers. In addition to satisfying a transfer language requirement, the Certificate of Achievement in Korean Language and Culture offers benefits for those engaging in future study or work in civil service or the private sector. The certificate is designed to provide intensive language experience by equipping students with practical language skills to function in an increasingly internationalized and competitive marketplace. It provides opportunities to develop Korean language skills in the areas of speaking, listening, reading and writing, as well as understanding Korean culture, history, society and politics. The Korean Language and Culture certificate serves students who would like to or need to have their language competency recognized as an add-on to their career skills. Many of our students are interested in teaching English in Korea through the EPIC, TALK programs or in Korean private companies. The certificate also enhances students' job opportunities with Korean-related companies.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate a consistent working command of essential vocabulary (recognize and reproduce at least 600-800 Korean characters) and language structures necessary to request and provide, orally and in writing, and be able to communicate with native speakers of Korean, using the appropriate language, style, sensitivity and level of respectfulness on a more complex/abstract range of information relating to high-frequency situations in a familiar context
- Demonstrate an increasingly accurate grasp of social protocols and contributions of Korean-speaking cultures, by analyzing and comparing them to one's own cultures(s)

Program Requirements

Complete the following

Courses	Units
KORE 1* Elementary Korean (First Quarter)	5
KORE 2 Elementary Korean (Second Quarter) or KORE 2H Elementary Korean (Second Quarter) - HONORS	5
KORE 3 Elementary Korean (Third Quarter) or KORE 3H Elementary Korean (Third Quarter) - HONORS	5

Complete one course if 15 units completed above OR two courses if 10 units completed above (4-9 Units)

Courses	Units
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
ANTH 6 Linguistic Anthropology	4
ASAM 1 Asian American Experiences Past to Present	4
ASAM 13 Asian Americans and Asia	4
ASAM 40 History of Art: Arts of Asia also listed as ARTS 2G	4
ASAM 41 Introduction to Korean Popular Culture also listed as HUMI 13	4
COMM 7 Intercultural Communication also listed as ICS 7 or COMM 7H Intercultural Communication - HONORS also listed as ICS 7H	4
COMM 16 Interpersonal Communication or COMM 16H Interpersonal Communication - HONORS	5
GEO 4 Cultural Geography	4
INTL 5 Contemporary Global Issues	4
JOUR 2 Media and Its Impact on Society	4
LING 1 Introduction to Linguistics	4

**KORE 1 need not be taken if students are cleared into KORE 2 or 2H.*

Certificate of Achievement (COA)
Mandarin Language and Culture

Program Description

The Certificate of Achievement in Mandarin Language and Culture is designed to open employment opportunities for local students because of the large number of Bay Area companies conducting business and trade with China, Taiwan, Singapore and other Asian countries where Mandarin is widely used. The electronics industry in particular seeks to employ people who know Mandarin. For students planning to continue their undergraduate or graduate education in business, electronics, or law, this certificate will complement their studies. From a cultural standpoint, Mandarin study is valuable in California, with its rich diversity of cultural traditions represented by many Mandarin-speaking immigrants. Many Mandarin courses can also satisfy GE requirements for an associate degree and transfer GE requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate a working command of essential vocabulary, recognize and reproduce between 450-550 Chinese characters, use proper language structures when providing or requesting information orally and in writing, and use a more complex/abstract range of information relating to high-frequency situations in familiar contexts
- Demonstrate an increasingly accurate grasp of social protocols and contributions of Mandarin-speaking cultures by analyzing and comparing them to one's own culture(s)

Program Requirements

Complete the following

Courses	Units
MAND 1 Elementary Mandarin (First Quarter)	5
MAND 2 Elementary Mandarin (Second Quarter)	5
MAND 3 Elementary Mandarin (Third Quarter)	5

Complete one course (4 Units)

Courses	Units
ASAM 13 Asian Americans and Asia	4
ASAM 40 History of Art: Arts of Asia also listed as ARTS 2G	4
ASAM 42A History of Asian Civilization: China and Japan (to the 19th Century) also listed as HIST 19A	4
ASAM 42B History of Asian Civilization: China and Japan (19th - 21st Centuries) also listed as HIST 19B	4

Total Units Required: 19

Certificate of Achievement (COA)
Mandarin Translation and Interpretation

Program Description

This certificate program is designed to prepare students for a career in legal and court interpretation. All program participants must be fluent in Mandarin and English and have a speaking proficiency equivalent to that of an educated native speaker. The potential careers students may enter upon completion include administrative hearing interpreters; Braille translators; conference interpreters; court interpreters; escort interpreters; guide interpreters; legal translators; literary translators; localization translators; medical interpreters and medical translators.

Program Learning Outcomes

Upon completion, students will be able to

- Differentiate between translation and interpreting
- Identify text type and audience in order to execute translation decisions
- Demonstrate appropriate grammar terminology through a verbal discussion
- Apply grammar and composition rules accurately
- Apply the terminology used in translation and interpreting
- Apply the appropriate use of sight translation in various settings

Program Requirements

Complete the following

Courses	Units
MAND 51 Introduction to Translation and Interpreting	4.5
MAND 52 Mandarin Grammar and Composition	4.5
MAND 53 Mandarin/English Linguistics Analysis	4.5
MAND 54 Sight Translation	4.5

Total Units Required: 18

Certificate of Achievement-Advanced (COA-A)
Mandarin Language and Culture

Program Description

The Certificate of Achievement-Advanced in Mandarin Language and Culture is designed to open employment opportunities for local students because of the large number of Bay Area companies conducting business and trade with China, Taiwan, Singapore and other Asian countries where Mandarin is widely used. It is a two-year course of study designed to build a strong language foundation in communication as well as expose students to Chinese culture and literature. Students transferring to four-year schools who plan to major or minor in Mandarin are well prepared by this curriculum.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate a sustained command of essential vocabulary, recognize and reproduce at least 2000 Chinese words, use proper language structures spontaneously and accurately when providing or requesting information orally and in writing with native speakers about a wide variety of topics
- Demonstrate a steady grasp of the subtleties in the idiosyncrasies of Mandarin-speaking cultures by analyzing and comparing them to one's own culture(s)

Program Requirements

Complete the following

Courses	Units

Courses	Units
MAND 1 Elementary Mandarin (First Quarter)	5
MAND 2 Elementary Mandarin (Second Quarter)	5
MAND 3 Elementary Mandarin (Third Quarter)	5
MAND 4 Intermediate Mandarin (First Quarter)	5
MAND 5 Intermediate Mandarin (Second Quarter)	5
MAND 6 Intermediate Mandarin (Third Quarter)	5

Complete one course (4 Units)

Courses	Units
ASAM 13 Asian Americans and Asia	4
ASAM 40 History of Art: Arts of Asia also listed as ARTS 2G	4
ASAM 42A History of Asian Civilization: China and Japan (to the 19th Century) also listed as HIST 19A	4
ASAM 42B History of Asian Civilization: China and Japan (19th - 21st Centuries) also listed as HIST 19B	4

Total Units Required: 34

Certificate of Achievement-Advanced (COA-A)

Mandarin Translation and Interpretation

Program Description

This certificate program is designed to prepare students for a career in legal and court interpretation. The courses in this program and designed to prepare students to pass the California Court Interpreter Certification Exam. All program participants must be fluent in Mandarin and English and have a speaking proficiency equivalent to that of an educated native speaker. The potential careers students may enter upon completion include administrative hearing interpreters; Braille translators; conference interpreters; court interpreters; escort interpreters; guide interpreters; legal translators; literary translators; localization translators; medical interpreters and medical translators.

Program Learning Outcomes

Upon completion, students will be able to

- Differentiate between translation and interpreting
- Identify text type and audience in order to execute translation decisions
- Demonstrate appropriate grammar terminology through a verbal discussion
- Apply grammar and composition rules accurately
- Apply the terminology used in translation and interpreting
- Apply the appropriate use of sight translation in various settings
- Interpret complex proceedings at speeds of 145+ words per minute
- Use consecutive interpretation in the appropriate situations in court, hospital and social services settings

Program Requirements

Complete the following

Courses	Units
MAND 51 Introduction to Translation and Interpreting	4.5
MAND 52 Mandarin Grammar and Composition	4.5
MAND 53 Mandarin/English Linguistics Analysis	4.5
MAND 54 Sight Translation	4.5
MAND 55A Consecutive Interpretation I	4.5
MAND 55B Consecutive Interpretation II	4.5
MAND 56A Simultaneous Interpretation I	4.5
MAND 56B Simultaneous Interpretation II	4.5

Total Units Required: 36

Associate in Science for Transfer (A.S.-T.) Degree

Associate in Science in Mathematics for Transfer

Program Description

The role of mathematics is vital and growing, providing solutions to problems in a wide range of sciences – social, biological, physical, behavioral and management. As a whole, mathematics is necessary for understanding and expressing ideas in science, engineering and human affairs. Mathematics is integrally related to computer science and statistics, which have proven invaluable to advancing research and modern industrial technology. The curriculum for the Associate in Science in Mathematics for Transfer academically prepares the student to transfer into the CSU system to complete a baccalaureate degree in a similar major. The Mathematics major consists of courses appropriate for an Associate in Science in Mathematics for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Science in Mathematics for Transfer is intended for students who plan to complete a bachelor's degree in Mathematics (or an approved

similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Be prepared for successful entry into upper division courses in mathematics

Program Requirements

Complete the following required core courses (20 Units)

Courses	Units
MATH 1A Calculus or MATH 1AH Calculus - HONORS	5
MATH 1B Calculus or MATH 1BH Calculus - HONORS	5
MATH 1C Calculus or MATH 1CH Calculus - HONORS	5
MATH 1D Calculus or MATH 1DH Calculus - HONORS	5

List A - Complete two courses (10 Units)

Courses	Units
MATH 2A Differential Equations or MATH 2AH Differential Equations - HONORS	5
MATH 2B Linear Algebra or MATH 2BH Linear Algebra - HONORS	5

Major Units Required	30
Transfer General Education Units Required	51-62 CSU GE or (IGETC for CSU)
Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts (A.A.) Degree

Music

Program Description

This A.A. degree program provides a foundation in music for students interested in a career in the musical entertainment industry or pursuing a bachelor's degree in Music. Students are encouraged to take private instruction (not provided by the college) each term along with classes in their specialization.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate, through successful public performance, a synthesis of technique, memory, musicality and stage presence in both group and solo presentations
- Demonstrate proficiency equivalent to national lower-division curriculum standards in music literacy for all historical periods, ear training and keyboard harmony
- Distinguish musical cultures, historical periods, forms and composers from each other while demonstrating an understanding of the roles of music in human culture
- Produce, notate and perform music using contemporary technologies

Program Requirements

Complete the following

Courses	Units
MUSI 3A Comprehensive Musicianship (First Quarter)	4
MUSI 3B Comprehensive Musicianship (Second Quarter)	4
MUSI 3C Comprehensive Musicianship (Third Quarter)	4
MUSI 4A Comprehensive Musicianship II (First Quarter)	4
MUSI 4B Comprehensive Musicianship II (Second Quarter)	4
MUSI 4C Comprehensive Musicianship II (Third Quarter)	4

Advisory: MUSI 2 or qualifying score on the Music placement examination is recommended. Music placement examination offered upon request or during the first day of class in MUSI 3A.

Note: MUSI 3A and 4A offered fall quarter only; MUSI 3B and 4B offered Winter quarter only; MUSI 3C and 4C offered spring quarter only.

Complete one course (4 Units)

Courses	Units
MUSI 1A Music Appreciation: Music in Western Cultures	4
MUSI 1B Music Appreciation: Jazz Styles	4

Courses	Units
MUSI 1C Music Appreciation: World Music in America	4
MUSI 1D Music Appreciation: Rock - From Roots to Rap	4

Complete a minimum of 12 units

Courses	Units
MUSI 15A Guitar Ensemble I	2
MUSI 15B Guitar Ensemble II	2
MUSI 20 De Anza Chorale	2
MUSI 21 Vintage Singers	2
MUSI 22 Early Music Study and Performance	2
MUSI 31 Chamber Orchestra	2
MUSI 34 Jazz Ensemble	2
MUSI 35 Mariachi Ensemble	2
MUSI 41 series MUSI 41V, 41W Rehearsal and Performance	1.5-2
MUSI 42 Concert Band	2
MUSI 45 Jazz Combos	2

Complete a minimum of six units (6 Units)

Courses	Units
MUSI 6A Beginning Songwriting I	1.5
MUSI 6B Beginning Songwriting II	1.5
MUSI 6C Beginning Songwriting III	1.5
MUSI 8 Intermediate Electronic Music	3
MUSI 9A Jazz Piano I	1.5
MUSI 9B Jazz Piano II	1.5
MUSI 9C Jazz Piano III	1.5
MUSI 12A Class Piano I	1.5
MUSI 12B Class Piano II	1.5
MUSI 12C Class Piano III	1.5
MUSI 13A Beginning Singing I	1.5
MUSI 13B Beginning Singing II	1.5
MUSI 13C Beginning Singing III	1.5
MUSI 14A Classical Guitar I	1.5
MUSI 14B Classical Guitar II	1.5
MUSI 14C Classical Guitar III	1.5

Courses	Units
MUSI 14D Classical Guitar IV	1.5
MUSI 16A Beginning Acoustic Guitar	1.5
MUSI 16B Jazz, Blues and Popular Guitar	1.5
MUSI 17 Beginning Guitar	1.5
MUSI 18A Intermediate Piano I	1.5
MUSI 18B Intermediate Piano II	1.5
MUSI 18C Intermediate Piano III	1.5
MUSI 25 Applied Music	1
MUSI 44A Composition and Arranging - Level I	1.5
MUSI 48A Jazz Improvisation I	1.5
MUSI 48B Jazz Improvisation II	1.5
MUSI 48C Jazz Improvisation III	1.5
MUSI 50A Conducting I	1.5
MUSI 50B Conducting II	1.5
MUSI 50C Conducting III	1.5
MUSI 51 Introduction to Electronic Music	3
MUSI 53 Music Business	3
MUSI 58A Beginning African and African-Influenced Percussion and Rhythms	1.5
MUSI 58B Intermediate African and African-Influenced Percussion and Rhythms	1.5
MUSI 77 series MUSI 77, 77X, 77Y Special Projects in Music	1-3

Major Units Required	46
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units

Total Units Required 90

Associate in Science (A.S.) Degree

LVN Transition to RN

Program Description

Admission to the program is limited. The Licensed Vocational Nurse (LVN) Transition to Registered Nurse (RN) Program is a minimum of three quarters in length, not including summer. LVN Transition to RN students enter the Registered Nursing program as advanced placement students as determined by the Director of the Nursing Program. Prior clinical experience in an acute setting will influence the student's placement in the program. The majority of courses are held in the daytime. Current California LVN license and IV certification is required. Graduates of this program are eligible to take the California State Board Examination for licensing (NCLEX-RN). Students are admitted throughout the year as advanced placements. Once admitted, the program is at least three quarters in length (not including prerequisites).

Program Learning Outcomes

Upon completion, students will be able to

- Pass the professional licensure exam for Registered Nurse (NCLEX)
- Provide competent nursing care as a novice RN in multiple health care settings

Program Requirements

Prerequisite or its equivalent must be completed with a "C" grade or better (9 Units)

Courses	Units
MATH 109 Intermediate Algebra for Statistics or MATH 114 College Math Preparation Level 3: Intermediate Algebra or MATH 130 Intermediate Algebra for Precalculus	5

Complete MATH 109 or MATH 114 or MATH 130, its equivalent or higher level mathematics, or get a qualifying score for MATH 109 or MATH 114 or MATH 130 on De Anza's mathematics assessment test.

Complete one course (4 Units)

Courses	Units
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
SOC 1 Introduction to Sociology	4

These eight prerequisites or their equivalents must be completed with a C grade or better (29 Units)

Courses	Units
BIOL 26* Introductory Microbiology	6
BIOL 40A* Human Anatomy and Physiology	5
BIOL 40B* Human Anatomy and Physiology	5
BIOL 40C* Human Anatomy and Physiology	5
BIOL 45* Introduction to Human Nutrition	4
PSYC 1 General Psychology	4

Complete one course (5 Units)

Courses	Units
ESL 5^ Advanced Composition and Reading	5
EWRT 1A Composition and Reading or EWRT 1AH Composition and Reading - HONORS or EWRT 1AT Intensive Composition and Reading Stretch: Second Quarter	5

Complete one course (5 Units)

Courses	Units
COMM 1 Public Speaking or COMM 1H Public Speaking - HONORS	5

Complete major requirements with a C grade or better (25 Units)

Courses	Units
NURS 94 Gerontology Nursing	2
NURS 94L Gerontology Nursing Clinical	2
NURS 94A Psychiatric/Mental Health Nursing	2
NURS 94AL Psychiatric/Mental Health Nursing Clinical	2
NURS 95 Complex Health Challenges	4
NURS 95L Complex Health Challenges Clinical	4.5
NURS 96 Leadership and Management in Nursing	2
NURS 96L Leadership and Management in Nursing Clinical	4.5
NURS 96A Nursing Concept Integration	2

Nursing A.S. Degree General Education Requirements Complete with a minimum 2.0 GPA

Courses	Units
One course from GE Area C1 - Arts	4
One course from GE Area C2 - Humanities	4
One unit from GE Area E in PE or PEA activities	1
One Intercultural Studies course taken in Area C or D	

Requirements: Admitted students complete the major courses and the Nursing General Education requirements to earn the degree. Placement will be determined on assessment of prior

education and work experience. Other courses from the RN curriculum may be required at the discretion of the Director of Nursing.

**Course must be completed within seven years of nursing program admission screening.*

^ESL 5 restricted to students whose native language is not English.

Note: A.S. Degree General Education Areas A, B and D are satisfied through completion of the prerequisites and major courses. See the Nursing Program web page at deanza.edu/nursing for application guidelines and materials.

Total Units Required, Incl. Prerequisites: 73

Associate in Science (A.S.) Degree

Registered Nurse (RN)

Program Description

Admission to the program is limited. The RN Program starts every quarter except summer quarter and it is six quarters in length. Nursing classes are not offered in the summer. The majority of courses are held in the daytime. The Associate Degree Nursing program is approved by the California Board of Registered Nursing. The RN graduate is eligible to take the California State Board Examination for licensing (NCLEX-RN). Students are admitted to this program during the fall, winter and spring quarters. Once admitted, the program is six quarters in length (not including prerequisites).

Program Learning Outcomes

Upon completion, students will be able to

- Pass the professional licensure exam for Registered Nurse (NCLEX)
- Provide competent nursing care as a novice RN in multiple health care settings

Program Requirements

Prerequisite the 10 prerequisites in this section will be used for screening and admission into the RN program. These two prerequisites must be completed with a C grade or better. (7 Units)

Courses	Units
NURS 50 Career Opportunities in Nursing (must be completed at De Anza)	2
MATH 109 Intermediate Algebra for Statistics or MATH 114 College Math Preparation Level 3: Intermediate Algebra or MATH 130 Intermediate Algebra for Precalculus	5

Complete MATH 109 or MATH 114 or MATH 130, its equivalent or higher level mathematics, or get a qualifying score for MATH 109 or MATH 114 or MATH 130 on De Anza's mathematics assessment test.

These eight prerequisites or their equivalents must be completed with a "C" grade or better (29 Units)

Courses	Units
BIOL 26* Introductory Microbiology	6
BIOL 40A* Human Anatomy and Physiology	5
BIOL 40B* Human Anatomy and Physiology	5
BIOL 40C* Human Anatomy and Physiology	5
BIOL 45* Introduction to Human Nutrition	4
PSYC 1 General Psychology	4

Complete one course (5 Units)

Courses	Units
ESL 5^ Advanced Composition and Reading	5
EWRT 1A Composition and Reading 5) or EWRT 1AH Composition and Reading - HONORS or EWRT 1AT Intensive Composition and Reading Stretch: Second Quarter	5

Complete one course (5 Units)

Courses	Units
COMM 1 Public Speaking or COMM 1H Public Speaking - HONORS	5
COMM 10 Fundamentals of Oral Communication or COMM 10H Fundamentals of Oral Communication - HONORS	5

Complete one of the following Prerequisite/Corequisite or its equivalent with a C grade or better and before or during the first quarter of the RN Program. (4 Units)

Courses	Units
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
SOC 1 Introduction to Sociology	4

Major Requirements complete with a "C" grade or better (54 Units)

Courses	Units
NURS 91A Health Assessment	2
NURS 91AL Health Assessment Lab	2.5

Courses	Units
NURS 91B Fundamentals of Nursing/Sub-Acute	2
NURS 91BL Fundamentals of Nursing/Sub-Acute Clinical	2.5
NURS 91P Pharmacology I	1.5
NURS 92 Medical-Surgical Nursing	4
NURS 92L Medical-Surgical Nursing Clinical	4.5
NURS 92P Pharmacology II	1.5
NURS 93 Reproductive Health Nursing	2
NURS 93L Reproductive Health Nursing Clinical	2
NURS 93A Pediatric Nursing	2
NURS 93AL Pediatric Nursing Clinical	2
NURS 93PL Pharmacology III Laboratory	0.5
NURS 94 Gerontology Nursing	2
NURS 94L Gerontology Nursing Clinical	2
NURS 94A Psychiatric/Mental Health Nursing	2
NURS 94AL Psychiatric/Mental Health Nursing Clinical	2
NURS 95 Complex Health Challenges	4
NURS 95L Complex Health Challenges Clinical	4.5
NURS 96 Leadership and Management in Nursing	2
NURS 96L Leadership and Management in Nursing Clinical	4.5
NURS 96A Nursing Concept Integration	2

Nursing A.S. Degree General Education Requirements Complete with a minimum 2.0 GPA

Courses	Units
One course from GE Area C1 - Arts	4
One course from GE Area C2 - Humanities	4
One unit from GE Area E in PE or PEA activities	1
One Intercultural Studies course taken in Area C or D	

Requirements: Admitted students complete the major courses and the Nursing General Education requirements to earn the degree.

**Course must be completed within seven years of nursing program admission screening.*

^ESL 5 restricted to students whose native language is not English.

Recommended NURS 201, 202, 203, 204

Note: A.S. Degree General Education Areas A, B and D are satisfied through completion of the prerequisites and major courses.
Advanced placement due to prior nursing education.
The student must first complete the screening requirements for entrance into the Registered Nursing Program and be admitted to the program.
Placement is done on a space-available basis only after equivalency of previous nursing education has been evaluated by the Director of Nursing.
For LVN students transitioning to the RN Program, see the LVN Transition to RN curriculum.
See the Nursing Program web page at deanza.edu/nursing for application guidelines and materials.

Total Units Required, Incl. Prerequisites: 104

Certificate of Achievement-Advanced (COA-A)

Paralegal Studies

Program Description

The Paralegal Studies Certificate of Achievement-Advanced program prepares students to work in the legal field as paralegals under the supervision of attorneys. This program provides graduates with a well-rounded education in a range of legal practice areas, including litigation and corporate law, and elective courses that include intellectual property and other legal practice specialties. Paralegal duties include performing factual and legal research; drafting legal documents and correspondence; interviewing clients and witnesses; assisting attorneys in pretrial work, including document discovery and analysis, and at trials and hearings; organizing and maintaining case files; and coordinating the use of technology in the legal work.

Program Learning Outcomes

Upon completion, students will be able to

- Evaluate, critique and analyze legal and factual information
- Synthesize and analyze legal and factual information through effective written and oral communication
- Compare and contrast the American and California legal systems within a global legal environment
- Research legally relevant facts from diverse source materials
- Assess the quality of information and utilize appropriate informational resources to evaluate a legal issue

Program Requirements

Complete the following

Courses	Units
PARA 67 Law Office Management for Paralegals	2
PARA 86 Legal Analysis	4
PARA 88 The Paralegal and Professional Responsibility	2

Courses	Units
PARA 92A Partnerships and Corporations	4
PARA 94 Introduction to California Law	4
PARA 95 Overview of American Law also listed as ADMJ 95 and POLI 95	4
PARA 96A Introduction to Legal Research and Writing	4
PARA 97A Civil Litigation Procedures	4
PARA 97B Advanced Civil Litigation Procedures	4

Complete a minimum of 12 units

Courses	Units
PARA 65 series PARA 65W, 65X, 65Y, 65Z Current Paralegal Topics	1-4
PARA 72 Trademarks Law	4
PARA 85 Intellectual Property Law	4
PARA 87 Personal Injury and Tort Litigation	4
PARA 89 Landlord Tenant Law	4
PARA 91A California Family Law	4
PARA 92B Corporate Securities Regulations	4
PARA 93 Bankruptcy Law	4
PARA 96C Computer Assisted Legal Research and Investigation	4
PARA 98 Drafting Wills and Trusts	4
PARA 99 California Probate Law and Procedures	4

Complete a minimum of four units below or from above (not already taken) (4 Units)

Courses	Units
ADMJ 3 Concepts of Criminal Law (CP 2) also listed as PARA 3 and POLI 13	4
ADMJ 11 Federal Courts and Constitutional Law also listed as PARA 11 and POLI 11	4
ADMJ 54 Youth and the Law also listed as PARA 54 and SOC 54	4
ADMJ 61 Criminal Investigation	4
ADMJ 84 Forensic Science	4
ADMJ 90A Legal Aspects of Evidence (CP 4) also listed as PARA 90A	4
BUS 18 Business Law I	5
CETH 29 Ethnic Studies, Cultural Pluralism and American Law and Justice also listed as ADMJ 29	4
ES 6 Introduction to Environmental Law	4
LIB 51 Business Resources on the Internet	1
PARA 25 Law and Social Change also listed as ADMJ 25	4
PARA 64 series PARA 64, 64X, 64Y, 64Z Paralegal Internship	1-4
PARA 69 Paralegal Field Trips	1
PARA 74A Interviewing, Interrogation and Crisis Intervention also listed as ADMJ 74A and PSYC 74A	4
PARA 75 Principles and Procedures of the Justice System also listed as ADMJ 75 and POLI 75	4
REST 52A Legal Aspects of Real Estate	4

Total Units Required: 48

Certificate of Achievement-Advanced (COA-A)

Paralegal Studies - Corporate Law

Program Description

The Paralegal Studies - Corporate Law Certificate of Achievement-Advanced sequence prepares students to work under the supervision of an attorney in a corporate law practice, including in-house legal departments, government agencies and nonprofit organizations. Paralegal duties in a corporate practice include performing factual and legal research; drafting legal documents and correspondence; interviewing clients and witnesses; organizing and maintaining case files; coordinating the use of technology in legal work; and assisting lawyers with substantive legal work related to mergers and acquisitions, company formation, technology transactions, securities transactions, venture funds, startup enterprises and other specific corporate practice legal work.

Program Learning Outcomes

Upon completion, students will be able to

- Evaluate, critique and analyze legal and factual information
- Synthesize and analyze legal and factual information through effective written and oral communication
- Compare and contrast the American and California legal systems within a global legal environment
- Research legally relevant facts from diverse source materials
- Compare and contrast the different types of California business organizations
- Outline the processes for formation and dissolution of each type of California business organization

- Compare federal and state registration requirements and key forms
- Explain the sanctions and remedies for violations of securities regulations
- Assess the quality of information and utilize appropriate informational resources to evaluate a legal issue

Program Requirements

Complete the following.

Courses	Units
PARA 67 Law Office Management for Paralegals	2
PARA 86 Legal Analysis	4
PARA 88 The Paralegal and Professional Responsibility	2
PARA 92A Partnerships and Corporations	4
PARA 92B Corporate Securities Regulations	4
PARA 94 Introduction to California Law	4
PARA 95 Overview of American Law also listed as ADMJ 95 and POLI 95	4
PARA 96A Introduction to Legal Research and Writing	4

Total Units Required: 28

Certificate of Achievement-Advanced (COA-A)
Paralegal Studies - Intellectual Property

Program Description

The Paralegal Studies - Intellectual Property Certificate of Achievement-Advanced sequence prepares students to work under the supervision of an attorney in an intellectual property law practice, including in-house (corporate), government agencies or nonprofit organizations. Paralegal duties in an intellectual property practice include performing factual and legal research; drafting and preparing correspondence and documents for filing with the U.S. and foreign governments; preparing information disclosure statements; interviewing clients and witnesses; organizing and maintaining case files; coordinating the use of technology in legal work; assisting attorneys with work related to due diligence; and in an intellectual property litigation practice, assisting attorneys in pretrial work, including document discovery and analysis, and during trials and hearings.

Program Learning Outcomes

Upon completion, students will be able to

- Evaluate, critique and analyze legal and factual information
- Synthesize and analyze legal and factual information through effective written and oral communication
- Compare and contrast the American and California legal systems within a global legal environment
- Research legally relevant facts from diverse source materials
- Explain general legal principles protecting all types of Intellectual Property
- Outline the procedures to obtain and maintain trademarks under California and Federal law
- Outline the procedures to obtain and maintain United States patents
- Outline the procedures to obtain and maintain common law and United States copyright
- Assess the quality of information and utilize appropriate informational resources to evaluate a legal issue

Program Requirements

Complete the following.

Courses	Units
PARA 67 Law Office Management for Paralegals	2
PARA 85 Intellectual Property Law	4
PARA 86 Legal Analysis	4
PARA 88 The Paralegal and Professional Responsibility	2
PARA 94 Introduction to California Law	4
PARA 95 Overview of American Law also listed as ADMJ 95 and POLI 95	4
PARA 96A Introduction to Legal Research and Writing	4

Complete one course (4 Units)

Courses	Units
PARA 72 Trademarks Law	4
PARA 97A Civil Litigation Procedures	4

Total Units Required: 28

Certificate of Achievement-Advanced (COA-A)
Paralegal Studies - Litigation

Program Description

The Paralegal Studies - Litigation Certificate of Achievement-Advanced sequence prepares students to work under the supervision of an attorney in a litigation practice, in-house (corporate) legal department, government agency or nonprofit

organization. Paralegal duties in a litigation practice include performing factual and legal research; drafting legal documents and correspondence; interviewing clients and witnesses; assisting attorneys in pretrial work, including document discovery and analysis; assisting attorneys at trials and hearings; organizing and maintaining case files, and coordinating the use of technology in legal work.

Program Learning Outcomes

Upon completion, students will be able to

- Evaluate, critique and analyze legal and factual information
- Synthesize and analyze legal and factual information through effective written and oral communication
- Compare and contrast the American and California legal systems within a global legal environment
- Research legally relevant facts from diverse source materials
- Demonstrate knowledge of civil discovery rules, procedures and motions
- Prepare drafts of discovery requests and responses for attorney review
- Outline the steps necessary to prepare for trial
- Assess the quality of information and utilize appropriate informational resources to evaluate a legal issue

Program Requirements

Complete the following

Courses	Units
PARA 67 Law Office Management for Paralegals	2
PARA 86 Legal Analysis	4
PARA 88 The Paralegal and Professional Responsibility	2
PARA 94 Introduction to California Law	4
PARA 95 Overview of American Law also listed as ADMJ 95 and POLI 95	4
PARA 96A Introduction to Legal Research and Writing	4
PARA 97A Civil Litigation Procedures	4
PARA 97B Advanced Civil Litigation Procedures	4

Total Units Required: 28

Associate in Arts (A.A.) Degree
Paralegal Studies

Program Description

The Paralegal Studies A.A. degree program prepares students to work in the legal field as paralegals under the supervision of attorneys. This program provides graduates with a well-rounded education in a range of legal practice areas, including litigation and corporate law, and elective courses that include intellectual property and other legal practice specialties. Paralegal duties include performing factual and legal research; drafting legal documents and correspondence; interviewing clients and witnesses; assisting attorneys in pretrial work, including document discovery and analysis, and at trials and hearings; organizing and maintaining case files; and coordinating the use of technology in the legal work.

Program Learning Outcomes

Upon completion, students will be able to

- Evaluate, critique and analyze legal and factual information
- Synthesize and analyze legal and factual information through effective written and oral communication
- Compare and contrast the American and California legal systems within a global legal environment
- Research legally relevant facts from diverse source materials
- Assess the quality of information and utilize appropriate informational resources to evaluate a legal issue

Program Requirements

Complete the following

Courses	Units
PARA 67 Law Office Management for Paralegals	2
PARA 86 Legal Analysis	4
PARA 88 The Paralegal and Professional Responsibility	2
PARA 92A Partnerships and Corporations	4
PARA 94 Introduction to California Law	4
PARA 95 Overview of American Law also listed as ADMJ 95 and POLI 95	4
PARA 96A Introduction to Legal Research and Writing	4
PARA 97A Civil Litigation Procedures	4
PARA 97B Advanced Civil Litigation Procedures	4

Complete a minimum of 12 units

Courses	Units
PARA 65 series PARA 65W, 65X, 65Y, 65Z Current Paralegal Topics	1-4
PARA 72 Trademarks Law	4
PARA 85 Intellectual Property Law	4
PARA 87 Personal Injury and Tort Litigation	4

Courses	Units
PARA 89 Landlord Tenant Law	4
PARA 91A California Family Law	4
PARA 92B Corporate Securities Regulations	4
PARA 93 Bankruptcy Law	4
PARA 96C Computer Assisted Legal Research and Investigation	4
PARA 98 Drafting Wills and Trusts	4
PARA 99 California Probate Law and Procedures	4

Complete a minimum of four units below or from above (not already taken) (4 Units)

Courses	Units
ADMJ 3 Concepts of Criminal Law (CP 2) also listed as PARA 3 and POLI 13	4
ADMJ 11 Federal Courts and Constitutional Law also listed as PARA 11 and POLI 11	4
ADMJ 54 Youth and the Law also listed as PARA 54 and SOC 54	4
ADMJ 61 Criminal Investigation	4
ADMJ 84 Forensic Science	4
ADMJ 90A Legal Aspects of Evidence (CP 4) also listed as PARA 90A	4
BUS 18 Business Law I	5
CETH 29 Ethnic Studies, Cultural Pluralism and American Law and Justice also listed as ADMJ 29	4
ES 6 Introduction to Environmental Law	4
LIB 51 Business Resources on the Internet	1
PARA 25 Law and Social Change also listed as ADMJ 25	4
PARA 64 series PARA 64, 64X, 64Y, 64Z Paralegal Internship	1-4
PARA 69 Paralegal Field Trips	1
PARA 74A Interviewing, Interrogation and Crisis Intervention also listed as ADMJ 74A and PSYC 74A	4
PARA 75 Principles and Procedures of the Justice System also listed as ADMJ 75 and POLI 75	4
REST 52A Legal Aspects of Real Estate	4

Major Units Required	48
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts for Transfer (A.A.-T.) Degree

Associate in Arts in Philosophy for Transfer

Program Description

The Philosophy major consists of courses appropriate for an Associate in Arts in Philosophy for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline, and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Arts in Philosophy for Transfer is intended for students who plan to complete a bachelor's degree in Philosophy (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Analyze and evaluate a broad range of figures, texts, ideas, theories and problems within philosophy
- Apply philosophical methods to the development and defense of original critical theses

Program Requirements

Complete two required core courses (8 Units)

Courses	Units
PHIL 1 Introduction to Philosophy or PHIL 8 Ethics or PHIL 8H Ethics - HONORS	4
PHIL 7 Deductive Logic or PHIL 7H Deductive Logic - HONORS	4

List A - Complete two courses below or from Required Core (not already taken) (8 Units)

Courses	Units
PHIL 20A History of Western Philosophy - Ancient Greece	4
PHIL 20B History of Western Philosophy - 1400-1800	4
PHIL 20C History of Western Philosophy - 1800-the Present	4

List B - Complete two courses below or from List A (not already taken) (8 Units)

Courses	Units
PHIL 2 Social and Political Philosophy	4
PHIL 24 Philosophy of Religion	4
PHIL 30 Introduction to Existentialism	4
PHIL 2 Social and Political Philosophy	4
PHIL 24 Philosophy of Religion	4

List C - Complete one course below or from List A or B (not already taken) (4-5 Units)

Courses	Units
PHIL 3 Critical Thinking and Writing	5
PHIL 4 Critical Thinking	4
PHIL 11 Asian Philosophy	4
PHIL 49 Women and Philosophy also listed as WMST 49	4

Major Units Required	28-29
Transfer General Education Units Required	51-62 CSU GE or (IGETC for CSU)
Additional Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units

Total Units Required 90

Certificate of Achievement (COA)

Professional Photography (Film and Digital)

Program Description

This Certificate of Achievement provides a foundation in the basics of photography including digital imaging, traditional processing and printing, and lighting. It also recognizes the importance of personal expression and the use of photography as a visual language. Students wishing to work in the industry, transfer, or complete an A.A. degree in Professional Photography should consider completing this certificate.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate basic skills in both wet and dry darkroom methods as well as beginning lighting techniques
- Create photographs that visually communicate ideas and concepts while engaging the practices, theories and materials of the medium
- Evaluate and critique imagery and receive criticism from others

Program Requirements

Complete the following, starting with PHTG 1 and PHTG 4 first.

Courses	Units
PHTG 1 Basic Photography	3
PHTG 4 Introduction to Digital Photography	3
PHTG 5 Intermediate Digital Photography	3
PHTG 57A Commercial Lighting I	3
PHTG 58A Photographic Photoshop I	3

Complete one course (3 Units)

Courses	Units
PHTG 2 Intermediate Photography	3
PHTG 3 Advanced Photography	3
PHTG 54 Experimental Photography	3
PHTG 57B Commercial Lighting II	3
PHTG 58B Photographic Photoshop II	3

Total Units Required: 18

Associate in Arts (A.A.) Degree

Photographic Arts (Film and Digital)

Program Description

This A.A. degree provides a comprehensive foundation in contemporary and traditional methods of photography. Digital imaging, traditional processing and printing, alternative processes, lighting, history and the visual language of photography are studied. Emphasis is on personal expression through creative process and technical excellence.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate accomplished skill in both dry (digital) and wet (analog) darkroom methods
- Create photographs that visually communicate ideas and concepts while engaging in the practices, theories and materials of the medium
- Critically analyze and assess diverse historical and contemporary photographic works
- Present finished photographic works for peer, professional or academic review
- Express artistic concepts and intent in written and oral formats
- Evaluate and critique photographic artwork and receive criticism from others

Program Requirements

Complete the following, starting with PHTG 1 and PHTG 4 first.

Courses	Units
ARTS 4A Beginning Drawing	4
ARTS 8 Two-Dimensional Design	4
ARTS 10A Three-Dimensional Design	4
ARTS 10B Intermediate Three-Dimensional Design	4
PHTG 1 Basic Photography	3
PHTG 4 Introduction to Digital Photography	3
PHTG 58A Photographic Photoshop I	3

Complete one option (4-8 Units)

Option 1

Courses	Units
ARTS 2A History of Art: Europe from Prehistory Through Early Christianity	4
ARTS 2B History of Art: Europe During the Middle Ages and the Renaissance	4

Option 2

Courses	Units
ARTS 2B History of Art: Europe During the Middle Ages and the Renaissance	4
ARTS 2C History of Art: Europe from the Baroque Period Through Impressionism	4

Option 3

Courses	Units
ARTS 2G History of Art: Arts of Asia also listed as ASAM 40	4

Complete one option (4-8 Units)

Option 1

Courses	Units
ARTS 2G History of Art: Arts of Asia also listed as ASAM 40	4

Option 2

Courses	Units
ARTS 15A Acrylic Painting I	4
ARTS 16A Oil Painting I	4

Option 3

Courses	Units
ARTS 18A Ceramics	4
ARTS 18B Ceramics (Beginning Wheel Throwing)	4

Complete a minimum of seven units (7 Units)

Courses	Units
ARTS 2D History of Art: Europe and the United States from Post-Impressionism to the Present ARTS 4B Intermediate Drawing	4
ARTS 14A Watercolor Painting I	4
ARTS 53 Introduction to Graphic Design: Vector Illustration	4
ARTS 54 Introduction to Graphic Design: Digital Imaging	4
ARTS 55A Graphic Design-Communication I	4
ARTS 55B Graphic Design-Communication II	4
F/TV 2A History of Cinema (1895-1950) or F/TV 2AH History of Cinema (1895-1950) - HONORS	4
F/TV 2B History of Cinema (1950-Present) or F/TV 2BH History of Cinema (1950-Present) - HONORS	4

Courses	Units
F/TV 23 Beginning TV Studio Production	4
F/TV 26 Introduction to Film/Television Directing	4
HUMI 1 Creative Minds or HUMI 1H Creative Minds - HONORS	4
HUMI 15 Discussion on the Arts	4
PHTG 2 Intermediate Photography	3
PHTG 5 Intermediate Digital Photography	3
PHTG 7 Exploring Visual Expression	4
PHTG 21 Contemporary Trends in Photography	4
PHTG 54 Experimental Photography	3
PHTG 57A Commercial Lighting I	3

Major Units Required	40-48
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts (A.A.) Degree

Professional Photography (Film and Digital)

Program Description

This A.A. degree program provides a comprehensive foundation in contemporary and traditional methods of photography. Digital imaging, processing and printing, lighting, history, business practices and the visual language of photography are studied. Emphasis is on the photography techniques appropriate for those entering the industry today.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate advanced skills in both dry (digital) and wet (analog) darkroom methods as well as commercial studio techniques
- Create photographs that visually communicate ideas and concepts while engaging the practices, theories and materials of the medium
- Critically analyze and assess diverse historical and contemporary photographic works
- Present commercially viable photographic works for peer, professional or academic review
- Demonstrate understanding of basic business principles and relevant industry practices
- Communicate effectively in written and oral formats

Program Requirements

Complete the following, starting with PHTG 1 and PHTG 4 first.

Courses	Units
ARTS 53 Introduction to Graphic Design: Vector Illustration	4
BUS 56 Human Relations in the Workplace	5
F/TV 20 Beginning Video Production	4
JOUR 2 Media and Its Impact on Society	4
PHTG 1 Basic Photography	3
PHTG 4 Introduction to Digital Photography	3
PHTG 5 Intermediate Digital Photography	3
PHTG 57A Commercial Lighting I	3
PHTG 58A Photographic Photoshop I	3

Complete a minimum of 12 units

Courses	Units
F/TV 26 Introduction to Film/Television Directing	4
PHTG 2 Intermediate Photography	3
PHTG 3 Advanced Photography	3
PHTG 6 Photography Production Laboratory	2
PHTG 7 Exploring Visual Expression	4
PHTG 21 Contemporary Trends in Photography	4
PHTG 54 Experimental Photography	3
PHTG 57B Commercial Lighting II	3
PHTG 58B Photographic Photoshop II	3
PHTG 60 Using a Digital Camera	2

Recommended

- *ARTS 8*
- *BUS 10, 55*
- *HUMI 1, 1H, 2*
- *Other Photography courses*

Major Units Required	44
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units

Total Units Required 90

Associate in Arts for Transfer (A.A.-T.) Degree

Associate in Arts in Political Science for Transfer

Program Description

The Political Science major consists of courses appropriate for an Associate in Arts in Political Science for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Arts in Political Science for Transfer is intended for students who plan to complete a bachelor's degree in Political Science (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Evaluate how political decisions are shaped by institutions and processes
- Assess the impact of political decisions on individuals and groups
- Demonstrate the capacity to critically analyze and apply political values
- Demonstrate the capacity to participate effectively in the political process

Program Requirements

Complete the following required core courses (5 Units)

Courses	Units
POLI 1 American Government and Politics or POLI 1H American Government and Politics - HONORS	5

Courses	Units

List A - Complete three courses (12-13 Units)

Courses	Units
POLI 2 Comparative Politics	4
POLI 3 International Relations	4
POLI 5 Introduction to Political Thought and Theory	4
PSYC 15 Statistics and Research Methods in Social Science also listed as SOC 15 or MATH 10 Introductory Statistics or MATH 10H Introductory Statistics - HONORS	4-5

List B - Complete three courses below or from List A (not already taken) (12 Units)

Courses	Units
ADMJ 29 Ethnic Studies, Cultural Pluralism and American Law and Justice also listed as CETH 29	4
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
CETH 10 Race, Ethnicity and Inequality	4
CETH 50 Civic Leadership for Community Empowerment	4
ES 1 Introduction to Environmental Studies	4
ECON 1 Principles of Macroeconomics or ECON 1H Principles of Macroeconomics - HONORS	4
ECON 2 Principles of Microeconomics or ECON 2H Principles of Microeconomics - HONORS	4
GEO 10 World Regional Geography	4
HIST 3C World History from 1750 CE to the Present or HIST 3CH World History from 1750 CE to the Present - HONORS	4
ICS 17 Critical Consciousness and Social Change or ICS 17H Critical Consciousness and Social Change - HONORS	4
ICS 19 Making a Difference: Transforming Relations of Nature, Community, and Power	4
POLI 15 Grassroots Democracy: Race, Politics and the American Promise also listed as ICS 25	4
POLI 16 Grassroots Democracy: Social Movements Since the 1960s also listed as ICS 36	4

Courses	Units
POLI 17 Grassroots Democracy: Leadership and Power also listed as ICS 27 or POLI 17H Grassroots Democracy: Leadership and Power - HONORS also listed as ICS 27H	4
SOC 5 Sociology of Globalization and Social Change also listed as INTL 8	4

Major Units Required	29-30
Transfer General Education Units Required	51-62 CSU GE or (IGETC for CSU)
Additional Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units
Total Units Required	**90**

Associate in Arts for Transfer (A.A.-T.) Degree

Associate in Arts in Psychology for Transfer

Program Description

The Psychology major consists of courses appropriate for an Associate in Arts in Psychology for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline, and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Arts in Psychology for Transfer is intended for students who plan to complete a bachelor's degree in Psychology (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Apply the scientific method to the study of behavior and mental processes
- Understand historical and contemporary perspectives of psychology and be able to apply these theories to real-world experiences
- Prepare to apply psychological concepts and theories to local and global issues affecting all beings as well as the environment

Program Requirements

Complete the following required core courses (14-15 Units)

Courses	Units
MATH 10 Introductory Statistics or MATH 10H Introductory Statistics - HONORS or PSYC 15 Statistics and Research Methods in Social Science also listed as SOC 15	4-5
PSYC 1 General Psychology	4
PSYC 2 Research Methods in Psychology	6

List A - Complete one course (4-5 Units)

Courses	Units
BIOL 10 Introductory Biology or BIOL 10H Introductory Biology - HONORS	5
BIOL 11 Human Biology	5
PSYC 24 Introduction to Psychobiology	4

List B - Complete one course below or from List A (not already taken) (4 Units)

Courses	Units
PSYC 8 Introduction to Social Psychology	4
PSYC 14 Developmental Aspects of Psychology	4

List C - Complete two courses below or from List A or B (not already taken) (8-10 Units)

Courses	Units
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
CHEM 30A Introduction to General, Organic and Biochemistry I	5
COMM 9 Argumentation: Analysis of Oral and Written Communication or COMM 9H Argumentation: Analysis of Oral and Written Communication - HONORS	5
EWRT 1B Reading, Writing and Research or EWRT 1BH Reading, Writing and Research - HONORS	5
EWRT 2 Critical Reading, Writing and Thinking or EWRT 2H Critical Reading, Writing and Thinking - HONORS	5

Courses	Units
MATH 1A Calculus or MATH 1AH Calculus - HONORS or MATH 12 Introductory Calculus for Business and Social Science	5
PHIL 3 Critical Thinking and Writing	5
PHIL 4 Critical Thinking	4
PSYC 4 Abnormal Psychology	4
PSYC 5 Introduction to Theories of Personality	4
PSYC 6 Introduction to Humanistic Psychology	4
PSYC 9 Psychology of Human Relationships and Normal Adjustment	4
PSYC 12 Psychology of Gender also listed as WMST 12	
SOC 1 Introduction to Sociology	4

Major Units Required	30-34
Transfer General Education Units Required	51-62
Additional Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units
Total Units Required	**90**

Certificate of Achievement (COA)
Real Estate

Program Description

The Certificate of Achievement in Real Estate provides the student with a thorough understanding of the California residential real estate market from a buyer's, seller's and real estate professional's perspective. In addition, students completing the program meet the minimum requirements to sit for the California Real Estate Sales License exam.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate knowledge of how real property is described, acquired, appraised, financed, encumbered and leased and how title to real property is held in California
- Demonstrate knowledge of the risks, returns, legal issues and ethical issues involved in the purchase, holding and sale of California real estate
- Qualify to take the California Department of Real Estate salesperson examination

Program Requirements

Complete the following

Courses	Units
REST 50 Real Estate Principles	4
REST 51 Real Estate Practices	4
REST 52A Legal Aspects of Real Estate	4
REST 53 Real Estate Finance	4
REST 61 Real Estate Investments	4

Complete a minimum of four units

Courses	Units
ACCT 1A Financial Accounting I or ACCT 1AH Financial Accounting I - HONORS	5
ACCT 1B Financial Accounting II or ACCT 1BH Financial Accounting II - HONORS	5
ACCT 1C Managerial Accounting or ACCT 1CH Managerial Accounting - HONORS	5
BUS 10 Introduction to Business	5
BUS 18 Business Law I	5
BUS 21 Business and Society	5
BUS 58 The Business Plan	4
BUS 90 Principles of Marketing	5
BUS 94 Social Media Marketing Strategies	5
REST 55 Real Estate Property Management	4

Total Units Required: 24

Associate in Arts (A.A.) Degree
Real Estate

Program Description

The A.A. degree in Real Estate provides the student with a thorough understanding of the California residential real estate market from a buyer's, seller's and real estate professional's perspective. In addition, students completing the program meet the minimum requirements to sit for the California Real Estate Sales License exam.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate knowledge of how real property is described, acquired, appraised, financed, encumbered and leased and how title to real property is held in California
- Demonstrate knowledge of the risks, returns, legal issues and ethical issues involved in the purchase, holding and sale of California real estate
- Qualify to take the California Department of Real Estate salesperson examination

Program Requirements

Complete the following

Courses	Units
REST 50 Real Estate Principles	4
REST 51 Real Estate Practices	4
REST 52A Legal Aspects of Real Estate	4
REST 53 Real Estate Finance	4
REST 55 Real Estate Property Management	4
REST 61 Real Estate Investments	4

Complete a minimum of 20 units

Courses	Units
ACCT 1A Financial Accounting I or ACCT 1AH Financial Accounting I - HONORS	5
ACCT 1B Financial Accounting II or ACCT 1BH Financial Accounting II - HONORS	5
ACCT 1C Managerial Accounting or ACCT 1CH Managerial Accounting - HONORS	5
BUS 10 Introduction to Business	5
BUS 18 Business Law I	5
BUS 21 Business and Society	5
BUS 58 The Business Plan	4
BUS 90 Principles of Marketing	5
BUS 94 Social Media Marketing Strategies	5

Major Units Required	44
General Education Units Required	32-43
Additional Elective Units	Elective courses required when the major units plus GE units total is less than 90 units
Total Units Required	**90**

Certificate of Achievement (COA)
Russian Language and Culture

Program Description

The Certificate of Achievement in Russian Language and Culture provides opportunities to engage with Russian-speaking communities in the Bay Area, California and nationwide. Russia is the world's largest country by land mass, sharing borders with dozens of nations – including sea borders with the United States. More than 100 ethnicities live in Russia and approximately the same number of languages are spoken on its territory. This country is one of the world's largest economies, powered by its extensive natural resources such as oil, natural gas and timber, with important industries including, manufacturing of steel, mining, fishing and agriculture. Russia is also known for its arts and culture – including ballet, theater, literature, cinema, music and visual arts – and for scientific progress in fields such as chemistry, physics, geology, mathematics, biology and space research. The Certificate of Achievement in Russian Language and Culture will satisfy a transfer language requirement and help students become global citizens. Students of Russian will be good candidates for jobs in foreign affairs with the Defense Department, State Department and many other institutions.

Program Learning Outcomes

Upon completion, students will be able to

- Engage in communicative tasks that require describing personal experiences in the present with some references to the past; expressing basic opinions about issues of relevance in one's life; understanding main ideas and supporting details in aural and written discourse; producing discourse-level writing related to one's life experiences
- Demonstrate an understanding of the diversity of cultural, historical, and regional contexts of Russian-speaking peoples and cultures
- Engage critically with constructions of cultural and social differences (as expressed through language) while examining one's own cultural positionings and assumptions

Program Requirements

Complete the following

Courses	Units
RUSS 1 Elementary Russian (First Quarter)	5

Courses	Units
RUSS 2 Elementary Russian (Second Quarter)	5
RUSS 3 Elementary Russian (Third Quarter)	5

Complete one course (4-5 Units)

Courses	Units
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
ANTH 6 Linguistic Anthropology	4
COMM 7 Intercultural Communication also listed as ICS 7 or COMM 7H Intercultural Communication - HONORS also listed as ICS 7H	4
COMM 16 Interpersonal Communication or COMM 16H Interpersonal Communication - HONORS	5
F/TV 2A History of Cinema (1895-1950) or F/TV 2AH History of Cinema (1895-1950) - HONORS	4
GEO 4 Cultural Geography	4
INTL 5 Contemporary Global Issues	4
JOUR 2 Media and Its Impact on Society	4
LING 1 Introduction to Linguistics	4

Total Units Required: 19-20

Associate in Arts for Transfer (A.A.-T.) Degree

Associate in Arts in Sociology for Transfer

Program Description

The Sociology major consists of courses appropriate for an Associate in Arts in Sociology for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Arts in Sociology for Transfer is intended for students who plan to complete a bachelor's degree in Sociology (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes

Upon completion, students will be able to

- Apply the sociological imagination to analyze and evaluate real world situations and problems
- Demonstrate the above capacity (first outcome) in written or oral communication

Program Requirements

Complete the following required core courses (4 Units)

Courses	Units
SOC 1 Introduction to Sociology	4

Required Core - Complete two courses (8 Units)

Courses	Units
SOC 14 The Process of Social Research	4
SOC 15 Statistics and Research Methods in Social Science also listed as PSYC 15	4
SOC 20 Social Problems	4

List A - Complete three courses below or from Required Core (not already taken) (12 Units)

Courses	Units
PSYC 8 Introduction to Social Psychology	4
SOC 28 Sociology of Gender also listed as WMST 28	4
SOC 29 Sociology of Structural Racism in the United States or CETH 10 Race, Ethnicity and Inequality	4
SOC 35 Marriage, Family, and Intimate Relationships	4

List B - Complete one course below or from Required Core or List A (not already taken) (4 Units)

Courses	Units
GEO 10 World Regional Geography	4
ICS 17 Critical Consciousness and Social Change or ICS 17H Critical Consciousness and Social Change - HONORS	4
ICS 19 Making a Difference: Transforming Relations of Nature, Community, and Power	4
ICS 27 Grassroots Democracy: Leadership and Power also listed as POLI 17 or ICS 27H Grassroots Democracy: Leadership and Power - HONORS also listed as POLI 17H	4
PSYC 1 General Psychology	4
SOC 51 Women in Crime also listed as ADMJ 51	4

Courses	Units
SOC 54 Youth and the Law also listed as ADMJ 54 and PARA 54	4
SOC 73 Crime and Criminology also listed as ADMJ 73	4

Major Units Required	28
Transfer General Education Units Required	51-62 CSU GE or (IGETC for CSU)
Additional Elective Units	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units
Total Units Required	**90**

Certificate of Achievement (COA)

Leadership and Social Change

Program Description

The Leadership and Social Change Certificate of Achievement prepares students to be community leaders, agents of change in the workplace and responsible participants in civic life in general. Students completing this certificate are prepared to work as an entry-level union organizer or staff person at a nonprofit organization. Students who plan to pursue a transfer degree can use the skills obtained to analyze the social forces at work in, and to take leadership in, their areas of work or study. Contact the Vasconcellos Institute for Democracy in Action (VIDA) at deanza.edu/vida for more information on earning this certificate.

Program Learning Outcomes

Upon completion, students will be able to

- Analyze the social processes that foster inequality and disempowerment, and those that challenge inequality and lead to empowerment
- Analyze the ways that social processes are amenable to transformation through strategic planning and constituent mobilization
- Apply leadership skills, such as meeting facilitation, strategic planning, consensus-building and generating buy-in from stakeholders, with the aim of fostering social justice and empowerment

Program Requirements

Complete the following

Courses	Units
POLI 17 Grassroots Democracy: Leadership and Power also listed as ICS 27 or POLI 17H Grassroots Democracy: Leadership and Power - HONORS also listed as ICS 27H	4

Leadership Skills - Complete a minimum of four units (4 Units)

Courses	Units
BUS 50 Nonprofit Corporations	5
BUS 65 Leadership	5
CETH 50 Civic Leadership for Community Empowerment	4
COMM 15 Critical Decision-Making in Groups or COMM 15H Critical Decision-Making in Groups - HONORS	5
COMM 70 Organizational Communication or COMM 70H Organizational Communication - HONORS	5
ES 2 Introduction to Sustainability	4
ESCI 21 Practices of Environmental Stewardship	5
ICS 2A Introduction to Peer Mentoring, Leadership, and Community Building	2
ICS 19 Making a Difference: Transforming Relations of Nature, Community, and Power	4
POLI 60A Introduction to Community Organizing also listed as SOSC 60A	4
POLI 60B Intermediate Community Organizing also listed as SOSC 60B	4

Understanding Social Change - Complete a minimum of four units (4 Units

Courses	Units
AFAM 10 An Introduction to African American Studies	4
ASAM 1 Asian American Experiences Past to Present	4
ASAM 10 Contemporary Asian American Communities	4
CETH 10 Race, Ethnicity and Inequality	4
CETH 29 Ethnic Studies, Cultural Pluralism and American Law and Justice also listed as ADMJ 29	4
CHLX 10 Introduction to Chicanx and Latinx Studies	4
ICS 17 Critical Consciousness and Social Change or ICS 17H Critical Consciousness and Social Change - HONORS	4

Courses	Units
ICS 26 Introduction to Lesbian, Gay, Bisexual, Transgender and Queer Studies	4
INTL 33 Introduction to Peace and Conflict Studies	4
NAIS 11 Native American Contemporary Society	4
POLI 15 Grassroots Democracy: Race, Politics and the American Promise also listed as ICS 25	4
POLI 16 Grassroots Democracy: Social Movements Since the 1960s also listed as ICS 36	4
SOC 5 Sociology of Globalization and Social Change also listed as INTL 8	4
WMST 1 Introduction to Women 2019s Studies	4
WMST 8 Women of Color in the USA also listed as CETH 8	4
WMST 24 Women and Gender in Global Perspectives	4
WMST 25 Introduction to Black Feminism also listed as AFAM 25	4
WMST 26 La Mujer: Latina Life and Experience also listed as CHLX 26	4
WMST 27 Women and Gendered Violence	4
WMST 29 Masculinities in U.S. Culture and Society also listed as CETH 19	4

Leadership Internship - Complete a minimum of six units (6 Units)

Courses	Units
ARTS 72 Internship in Art	1
ICS 80 series ICS 80, 80W, 80X, 80Y, 80Z Community Based Learning in Intercultural Studies - Intrapersonal	0.5-4
ICS 81 series ICS 81, 81W, 81X, 81Y, 81Z Community Based Learning in Intercultural Studies - Interpersonal	0.5-4
ICS 82 series ICS 82, 82W, 82X, 82Y, 82Z Community Based Learning in Intercultural Studies - Systems	0.5-4
POLI 64 series POLI 64, 64X, 64Y, 64Z Political Science Internship	1-4
SOSC 80 series SOSC 80, 80W, 80X, 80Y, 80Z Community Based Learning in Social Sciences - Historical	0.5-4
SOSC 82 series SOSC 82, 82W, 82X, 82Y, 82Z Community Based Learning in Social Sciences - Philosophical	0.5-4
SOSC 83 series SOSC 83, 83W, 83X, 83Y, 83Z Community Based Learning in Social Sciences - Sociological	0.5-4

Total Units Required: 18

Certificate of Achievement (COA)

Spanish Language and Culture

Program Description

The Certificate of Achievement in Spanish Language and Culture provides opportunities to engage in the many Latinx and Spanish-speaking communities of the Bay Area, along with the potential to engage with travel, law, business and nongovernmental organizations in the United States, Latin America and Spain. For students who already speak Spanish with their families, the certificate will provide the opportunity to extend their linguistic repertoires and validate their knowledges, particularly as applied to their careers. Spanish is an excellent major or minor for those who plan to pursue undergraduate or graduate work in areas such as Anthropology, History, Law, Chicanx Studies or Business. Understanding the diversity of cultural, historical and social contexts in the Spanish-speaking world will provide new insights and a critical lens. The Certificate of Achievement in Spanish Language and Culture will satisfy a transfer language requirement and offers additional benefits for those engaging in future study or work in civil service or the private sector.

Program Learning Outcomes

Upon completion, students will be able to

- Engage in communicative tasks that require describing personal experiences in the present with some references to the past; expressing basic opinions about issues of relevance in one´s life; understanding main ideas and supporting details in aural and written discourse; producing discourse-level writing related to one´s life experiences
- Demonstrate an understanding of the diversity of cultural, historical, and regional contexts of Spanish-speaking peoples and cultures
- Engage critically with constructions of cultural and social differences (as expressed through language) while examining one´s own cultural positionings and assumptions

Program Requirements

Complete the following

Courses	Units

Courses	Units
SPAN 1* Elementary Spanish (First Quarter)	5
SPAN 2 Elementary Spanish (Second Quarter)	5
SPAN 3 Elementary Spanish (Third Quarter)	5

Complete one course if 15 units completed above OR two courses if 10 units completed above (4-10 Units)

Courses	Units
ANTH 2 Cultural Anthropology or ANTH 2H Cultural Anthropology - HONORS	4
ANTH 6 Linguistic Anthropology	4
CHLX 10 Introduction to Chicanx and Latinx Studies	4
CHLX 11 Chicanx Culture	4
CHLX 12 Chicanx and Latinx History	4
CHLX 13 The Chicanx and Latinx and the Arts	4
CHLX 26 La Mujer: Latina Life and Experience also listed as WMST 26	4
COMM 16 Interpersonal Communication or COMM 16H Interpersonal Communication - HONORS	5
F/TV 2B History of Cinema (1950-Present) or F/TV 2BH History of Cinema (1950-Present) - HONORS	4
GEO 4 Cultural Geography	4
ICS 7 Intercultural Communication also listed as COMM 7 or ICS 7H Intercultural Communication - HONORS also listed as COMM 7H	4
ICS 35 Chicano/a, Latino/a Literature	4
INTL 5 Contemporary Global Issues	4
JOUR 2 Media and Its Impact on Society	4
LING 1 Introduction to Linguistics	4
SPAN 4 Intermediate Spanish (First Quarter)	5

**SPAN 1 need not be taken if students have completed these units in another college and are cleared into SPAN 2 by the Spanish Department at De Anza.*

Total Units Required: 18-20

Certificate of Achievement (COA)

Women's Studies

Program Description

The Certificate of Achievement in Women's Studies prepares students to be well-informed community leaders, agents of change in the workplace, and responsible participants in civic life in general, especially in spaces and circumstances that directly impact women and members of the LGBTQ community. Students completing this certificate are prepared to transfer their credits to universities that emphasize Women's Studies and civic engagement, work as an entry-level community organizer or as a staff person at a nonprofit organization that serves women or members of the LGBTQ community. Students who plan to pursue a transfer degree can use the skills obtained to analyze the social forces at work in, and to take leadership in, their areas of work or study. Campuses that offer a baccalaureate major or related majors include University of California, Santa Barbara; University of California, Berkeley; and University of California, Riverside.

Program Learning Outcomes

Upon completion, students will be able to

- Analyze the social processes that foster inequality and disempowerment for women, women of color, and members of the LGBTQ community, as well as those social processes that challenge inequality and lead to empowerment of those same populations
- Analyze the ways that social processes are amenable to transformation through strategic planning and constituent mobilization
- Apply leadership skills, such as group facilitation, strategic planning, consensus-building and generating buy-in from community stakeholders, with the aim of fostering social justice and empowerment, particularly for women and members of the LGBTQ commun

Program Requirements

Complete the following core courses

Courses	Units
WMST 1 Introduction to Women's Studies	4
WMST 8 Women of Color in the USA also listed as CETH 8	4

Complete four courses from the list below

Courses	Units
ICS 26 Introduction to Lesbian, Gay, Bisexual, Transgender and Queer Studies	4
WMST 3C Women and Art also listed as ARTS 3TC	4
WMST 9 Women in American History also listed as HIST 9 or WMST 9H Women in American History - HONORS also listed as HIST 9H	4
WMST 12 Psychology of Gender also listed as PSYC 12	4
WMST 21 Women in Literature also listed as ELIT 21	4

Courses	Units
WMST 22 Asian American Pacific Islander Women also listed as ASAM 22	4
WMST 24 Women and Gender in Global Perspectives	4
WMST 25 Introduction to Black Feminism also listed as AFAM 25	4
WMST 26 La Mujer: Latina Life and Experience also listed as CHLX 26	4
WMST 27 Women and Gendered Violence	4
WMST 28 Sociology of Gender also listed as SOC 28	4
WMST 29 Masculinities in U.S. Culture and Society also listed as CETH 19	4
WMST 31 Women and Popular Culture	4

Total Units Required: 24

Course Numbering and Transfer Limitations

General Numbering Guidelines for Courses

Course Number Range	Description
1-49	Transferable to UC (See information on limitations below.)
1-99	Transferable to CSU
1-199	De Anza A.A./A.S. degree applicable
200-299	Prerequisite for required courses that lead to the A.A./A.S. degree and non-degree applicable credit courses
300-399	Noncredit career training courses that do not apply to an academic certificate or degree
400-499	Noncredit basic skills courses that do not apply to an academic certificate or degree

See individual course listings in this catalog and class schedule for exceptions to guidelines.

UC Limitations to Transfer Course List

De Anza courses numbered 1-49 are generally transferable to UC, however, there are limitations and transfer credit is subject to change

Check for updates at ASSIST.org. The 2022-2023 UC transferable course list will be available on the ASSIST website in fall 2022.

2021-2022 UC Transfer Course Agreement (TCA) Limitations

Refer to this summary of course limitations on the UC TCA when calculating the minimum 90 transferable quarter units required for transfer to UC.

Course Prefix	Limitations
ADMJ	ADMJ 3, 11, 25, PARA 3, 11, 25 and POLI 11, 13 combined: maximum credit, 1 course
BIOL	No credit for BIOL 10, 10H or 11 if taken after BIOL 6A, 6AH, 6B, 6C, or 6CH
BUS	BUS 10 and 21 combined: maximum credit, 1 course
CLP	CLP 5, 7, COUN 5, EDAC 1 and HUMA 20 combined: maximum credit, 4.5 quarter units
CHEM	CHEM 10, 25 and 30A combined: maximum credit, 1 course; No credit for CHEM 10, 25 or 30A if taken after CHEM 1A or 1AH
CIS	Student may receive credit for either (CIS 22A and 22B) or CIS 27, but not both. Student may receive credit for either (CIS 36A and 36B) or CIS 35A, but not both
COUN	COUN 5 , CLP 5, 7, EDAC 1 and HUMA 20 combined: maximum credit, 4.5 quarter units
EDAC	EDAC 1, CLP 5, 7, COUN 5 and HUMA 20 combined: maximum credit, 4.5 quarter units
EWRT	EWRT 1A or (EWRT 1AS and 1AT) combined: maximum credit, 5 quarter units EWRT 1AS and 1AT must both be completed in order to receive transfer credit
F/TV	F/TV 2A, 2AH, 2AW and 2AWH combined: maximum credit,1 course F/TV 2B, 2BH, 2BW and 2BWH combined: maximum credit, 1 course F/TV 2C, 2CH, 2CW and 2CWH combined: maximum credit, 1 course F/TV 20 and 22 combined: maximum credit, 1 course
FREN	FREN 2 corresponds to two years of high school study
GERM	GERM 2 corresponds to two years of high school study
HUMA	HUMA 20, CLP 5, 7, COUN 5 and EDAC 1 combined: maximum credit, 4.5 quarter units
ITAL	ITAL 2 corresponds to two years of high school study
JAPN	JAPN 2 corresponds to two years of high school study
JOUR	JOUR 21A and 21B - Any or all of these courses combined: maximum credit, 1 course
KNES/PE/PEA	KNES/PE/PEA Activity Courses combined: maximum credit, 6 quarter units KNES/PE Theory courses combined: maximum credit,12 quarter units For full list of KNES Activity/Theory courses with limitations, visit ASSIST.org
KORE	KORE 2 corresponds to two years of high school study
MAND	MAND 2 corresponds to two years of high school study
MATH	MATH 1A, 1AH and 12 combined: maximum credit, 1 course MATH 10, 10H, 17, 23, PSYC 15 and SOC 15 combined: maximum credit, 1 course MATH 17 Students must complete both Statway courses. Maximum credit limitation: 6 quarter units / 4 semester units; UC transferable for students applying to UC for fall 2016 and later MATH 31, 31H, 31A, 31B, 32, 32H, 41, 41H, 42, 42H, 43 and 43H combined: maximum credit, 7.5 quarter units /5 semester units
MUSI	No credit for MUSI 10A if taken after MUSI 3A
PARA	PARA 3, 11, 25, ADMJ 3, 11, 25 and POLI 11, 13 combined: maximum credit, 1 course
PERS	PERS 2 corresponds to two years of high school study
PE/PEA/KNES	PE/PEA/KNES Activity courses combined: maximum credit,6 quarter units PE/KNES Theory courses combined: maximum credit, 12 quarter units For full list of PE/PEA/KNES Activity and Theory courses with limitations, visit ASSIST.org

Course Prefix	Limitations
PHYS	PHYS 2A, 2B, 2C, and 4A, 4B, 4C, 4D combined: maximum credit, 1 series; Deduct credit for duplication of topics No credit for PHYS 10 if taken after PHYS 2A or 4A
POLI	POLI 11, 13, ADMJ 3, 11, 25 and PARA 3, 11, 25 combined: maximum credit, 1 course
PSYC	PSYC 15, MATH 10, 10H, 17, 23 and SOC 15 combined: maximum credit, 1 course
RUSS	RUSS 2 corresponds to two years of high school study
SIGN	SIGN 2 corresponds to two years of high school study
SOC	SOC 15, MATH 10, 10H, 17, 23 and PSYC 15 combined: maximum credit, 1 course
SPAN	SPAN 2 corresponds to two years of high school study
VIET	VIET 2 corresponds to two years of high school study
Variable Topics Courses	These courses are also labeled “Independent Studies,“ “Special Studies,“ “Special Topics,“ “Field Work,” etc. Credit for variable topics courses is given only after a review of the scope and content of the course by the enrolling UC campus. This usually occurs after transfer and may require recommendations from faculty.Information about internships may also be presented for review, but credit for internships rarely transfers to UC. UC does not grant credit for variable topics courses in Journalism, Photography, Health, Business Administration, Architecture, Administration of Justice (Criminology) or Library Departments because of credit restrictions in these areas.
Honors Course Credit Limitation	Duplicate credit will not be awarded for both the honors and regular versions of a course. Credit will be awarded only to the first course completed with a grade of C or better.

ACCT 1A
Financial Accounting I

5.0 Units

The primary objective of this course is to help students learn how accounting meets the information needs of various users by developing and communicating information that is used in decision-making. Accordingly, the expected student outcome is the demonstration that the student can read, analyze and interpret external financial statements.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Demonstrate a knowledge of double entry accounting for business transactions and adjustments and prepare, explain and analyze financial statements using GAAP.
- Analyze fundamental business concepts, how businesses operate, how accounting serves them and identify ethical issues in an accounting context.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ACCT 1AH
Financial Accounting I - HONORS

5.0 Units

The primary objective of this course is to help students learn how accounting meets the information needs of various users by developing and communicating information that is used in decision-making. Accordingly, the expected student outcome is the demonstration that the student can read, analyze and interpret external financial statements. As an honors course, the students will be expected to complete extra assignments to gain deeper insight in accounting.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Demonstrate a knowledge of double entry accounting for business transactions and adjustments and prepare, explain and analyze financial statements using GAAP.
- Analyze fundamental business concepts, how businesses operate, how accounting serves them and identify ethical issues in an accounting context.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ACCT 1B
Financial Accounting II

5.0 Units

The primary objective of this course is to help students learn how accounting meets the information needs of various users by developing and communicating information that is used in decision-making. Accordingly, the expected student outcome is the demonstration that the student can read, analyze and interpret external financial statements, including corporate and partnership financial statements.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ACCT 1A or ACCT 1AH

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Demonstrate a knowledge of the users of accounting information and forms or business ownership, risks and capitalization of each and prepare, analyze and evaluate the financial structure of a firm using corporate financial statements (and include the statement of cash flows).
- Analyze and evaluate the capitalization of a firm using debt and equity and apply net present value methodology to the analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ACCT 1BH
Financial Accounting II - HONORS

5.0 Units

The primary objective of this course is to help students learn how accounting meets the information needs of various users by developing and communicating information that is used in decision-making. Accordingly, the expected student outcome is the demonstration that the student can read, analyze and interpret external financial statements, including corporate and partnership financial statements. As an honors course, the students will be expected to complete extra assignments to gain deeper insight in accounting.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ACCT 1A or ACCT 1AH

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Demonstrate a knowledge of the users of accounting information and forms or business ownership, risks and capitalization of each and prepare, analyze and evaluate

the financial structure of a firm using corporate financial statements (and include the statement of cash flows).
- Analyze and evaluate the capitalization of a firm using debt and equity and apply net present value methodology to the analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ACCT 1C
Managerial Accounting

5.0 Units

Study the role of management accounting information in organizations for operational control, product and customer costing and performance measurement.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ACCT 1B or ACCT 1BH

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Identify elements of cost for a business and explain and analyze how costs are allocated and assessed for various users. Compare and contrast the cost acct system for a manufacturer, merchandiser and service firm and distinguish the differences and similarities between financial reporting and cost accounting and utilize npv and irr for evaluating the financial viability of a business decision.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ACCT 1CH
Managerial Accounting - HONORS

5.0 Units

Study the role of management accounting information in organizations for operational control, product and customer costing and performance measurement. As an honors course, the students will be expected to complete extra assignments to gain deeper insight in Accounting.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ACCT 1B or ACCT 1BH

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Identify elements of cost for a business and explain and analyze how costs are allocated and assessed for various users. Compare and contrast the cost acct system for a manufacturer, merchandiser and service firm and distinguish the differences and similarities between financial reporting and cost accounting and utilize npv and irr for evaluating the financial viability of a business decision.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ACCT 51A
Intermediate Accounting

5.0 Units

Principles, control, and theory of accounting for assets, financial statements, cash and cash flows, receivables, inventories, plant and equipment, intangible assets.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ACCT 1B or ACCT 1BH

Student Learning Outcomes
- Assess in a comprehensive manner the conceptual foundations and rationale that underlie accounting applications and critique the effects of transactions and events on an entity's financial condition.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ACCT 51B
Intermediate Accounting

5.0 Units

Principles, control, and theory of accounting for liabilities and equities, corporations, accounting changes, pensions and leases, price level and fair-value accounting.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ACCT 1B or ACCT 1BH

Advisory(ies)
ACCT 51A

Student Learning Outcomes
- Demonstrate the ability to apply professional knowledge of the role of accountants in providing and ensuring the integrity of financial and other information relating to the equity and/or debt capitalization of a company.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ACCT 52
Advanced Accounting

5.0 Units

Presents financial accounting theories and practices related to business combinations and consolidated financial reporting. This includes the development of complex business structures and forms of business combinations; consolidated financial reporting for intercorporate acquisitions and operations; and the accounting for transactions of affiliated companies. Also includes accounting and reporting issues in the governmental and not-for-profit environment. Accounting theory and practice related to the formation, operation and liquidation of partnerships is covered.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ACCT 1B or ACCT 1BH

Advisory(ies)
ACCT 51B

Student Learning Outcomes
- Demonstrate knowledge of business combinations; prepare, explain and analyze consolidating workpapers and financial statements.
- Demonstrate knowledge of governmental, not-for-profit, and partnership accounting; and demonstrate an ability to properly record related transactions and prepare related financial statements.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ACCT 58
Auditing

5.0 Units

Study of environment, principle, and practices of financial statement audit. Topics include Generally Accepted Auditing Standards (GAAS), Sarbanes-Oxley Act 2002 regulatory requirements, internal controls and audit risk; audit planning, procedures, evidence, documentation and reports.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ACCT 1B or ACCT 1BH

Advisory(ies)
ACCT 51B

Student Learning Outcomes
- List the 10 GAASs (Generally Accepted Auditing Standards) and explain how and why they are followed.
- Demonstrate knowledge of how GAAS are integrated throughout the financial audit examination process.
- Demonstrate knowledge of a systematic audit approach using the three major underlying and interlinked concepts: audit risk, audit materiality, and audit evidence.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ACCT 64
Payroll and Business Tax Accounting

4.0 Units

Fundamentals of payroll accounting using manual and computerized accounting systems. Theoretical and practical aspects of payroll accounting and reporting. Course includes Federal and California payroll tax rules and forms.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ACCT 1A or ACCT 1AH

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 212 or equivalent.

Student Learning Outcomes
- Research payroll tax laws and evaluate accounting options to comply with these laws.
- Produce payroll tax reports and related journal entries.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0

Total	48.0	**Total**	96.0

ACCT 66
Cost Accounting

5.0 Units

Procedures, practices, and fundamentals used by accountants when costing products or services, evaluating and measuring performances, and reporting results to users of accounting information.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ACCT 1B or ACCT 1BH

Advisory(ies)
ACCT 1C or ACCT 1CH

Student Learning Outcomes
- Identify, describe, and explain the way managers use cost accounting information to create value, to make decisions, and to evaluate performance in organizations and identify current trends in cost accounting and how they affect organizational decisions.
- Define basic cost behaviors and explain how material, labor, and overhead costs are applied to a product at each stage of the production process and explain the concept of activity-based cost management and demonstrate its use for operational decisions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ACCT 67
Individual Income Taxation

5.0 Units

A study of current federal and California state income tax law and the procedures for preparing an individual's tax return.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly ACCT D067A.)

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 210 or equivalent.

Advisory(ies)
ACCT 1A or ACCT 1AH (may be taken concurrently)

Student Learning Outcomes
- Demonstrate knowledge of how to assess and evaluate information required to file a federal and state tax return and be able to prepare and analyze an individual income tax return from various income sources, adjustments to income, itemized deductions and tax credits.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ACCT 68
Advanced Tax Accounting

5.0 Units

A study of current federal income tax law as it relates to corporations, partnerships, estates, trusts, and gift taxes. California tax law differences will be highlighted.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
ACCT 1A or ACCT 1AH

Student Learning Outcomes
- Explain, differentiate, analyze and evaluate the differences between the taxation of individuals, partnerships, corporations and trusts and prepare and analyze a corporate, partnership, trust and gift tax federal return.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ACCT 73
Fraud Detection and Deterrence

5.0 Units

The principles and methodology of fraud detection and deterrence as it relates to occupational fraud are covered in this course. Includes such topics as skimming, cash larceny, check tampering, register disbursement schemes, billing schemes, payroll and expense reimbursement schemes, non-cash misappropriations, corruption, accounting principles and fraud, fraudulent financial statements, risk assessment and interviewing witnesses.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ACCT 1B or ACCT 1BH

Student Learning Outcomes
- Demonstrate competency in critical thinking by deconstructing various frauds to determine how the frauds could be perpetrated, detected, and mitigated.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)

12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ACCT 74
Accounting Ethics

5.0 Units

Study of professional ethics for accounting from a business perspective in context of financial statement fraud and similar business fraud. Topics include nature of accounting, ethical behavior in accounting, regulatory licensing, ethical theory, rules of the code of conduct, ethics of tax accounting and ethics of the auditing function.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ACCT 1A or ACCT 1AH

Student Learning Outcomes
- Demonstrate competency in identifying, assessing and interpreting ethical issues in accounting and explain the costs and risks of unethical practices in business from the point of view of all relevant stakeholders.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ACCT 75
Accounting for Government and Nonprofit Entities

5.0 Units

Presents the characteristics and principles of the financial policies and procedures followed by state, county and municipal governments, as well as public and private universities and hospitals, and certain nonprofit organizations. The course will emphasize the importance to governmental agencies of properly discharging their responsibilities to taxpayers. These responsibilities include the proper accounting for and budgeting of tax and related revenues and expenditures. The course will also emphasize the importance to nonprofit entities of meeting the financial reporting and management needs of various stakeholders such as donors, service providers and recipients, community members, and regulatory agencies. Funds, fund accounting, and the newest GASB and FASB pronouncements relating to accounting for governmental and nonprofit entities are also presented.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ACCT 1B or ACCT 1BH

Advisory(ies)
ACCT 1C or ACCT 1CH

Student Learning Outcomes
- Demonstrate knowledge of the accounting cycle from transactions through financial statement preparation and analysis for governmental and nonprofit organizations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ACCT 87AH
Computerized Accounting Programs I (Peachtree - Windows)

2.0 Units

This course is an introduction to computerized accounting for the service industry. Applications include general ledger setup, accounts payable, accounts receivable and payroll. Course will take advantage of new accounting software being used in industry.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ACCT 1A or ACCT 1AH

Student Learning Outcomes
- Demonstrate an understanding of accounting and use an existing accounting software program to enter transactions and complete the accounting cycle.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

ACCT 87AI
Computerized Accounting Programs I (Quickbooks)

2.0 Units

This course is an introduction to computerized accounting for the service industry. Applications include general ledger setup, accounts payable, accounts receivable and payroll. Course will take advantage of new accounting software being used in industry.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ACCT 1A or ACCT 1AH

Student Learning Outcomes
- Demonstrate an understanding of accounting and use an existing accounting software program to enter transactions and complete the accounting cycle.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

ACCT 87AJ

Computerized Accounting Programs I (Microsoft Dynamics GP)

2.0 Units

This course is an introduction to computerized accounting for the service industry. Applications include general ledger setup, accounts payable, accounts receivable and payroll. Course will take advantage of new accounting software being used in industry.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ACCT 1A or ACCT 1AH

Student Learning Outcomes
- Demonstrate an understanding of accounting and use an existing accounting software program to enter transactions and complete the accounting cycle.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

ACCT 88

Excel Spreadsheets for Accounting

2.0 Units

Fundamentals of electronic spreadsheets using Microsoft Excel software. Concentration on solving accounting problems and completing accounting projects with Excel.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ACCT 1A or ACCT 1AH

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 212 or equivalent.

Advisory(ies)
Basic knowledge of Excel is highly recommended.

Student Learning Outcomes
- Evaluate accounting problems; then design and construct Excel spreadsheets to solve those problems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

ACCT 105

Basic Financial Accounting Procedures

1.0 Units

Procedural aspects of accounting; including the accounting equation, analysis of business transactions, debit and credit rules, and aspects of the accounting cycle.

Course Information

Transferability
Not transferable

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Advisory(ies)
ACCT 1A or ACCT 1AH

Student Learning Outcomes
- Analyze basic business transactions and record them using double-entry accounting by journalizing, posting entries to the general ledger and preparing relevant internal and external financial statements to include the evaluation of merchandising transactions using perpetual and periodic inventory systems and incorporating various cost flow methods.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

ADMJ 1

Introduction to Administration of Justice

4.0 Units

An introduction to the characteristics of the criminal justice system in the United States. Focus is placed on examining crime measurement, theoretical explanations of crime, response to crime, components of the system and current challenges to the system. Examines the evolution of the principles and approaches utilized by the justice system and the evolving forces which have shaped those principles and approaches. Although justice structure and process is examined in a cross-cultural context, an emphasis is placed on the US justice system, particularly the structure and function of US police, courts, and corrections. Students are introduced to the origins and development of criminal law, legal process, and sentencing and incarceration policies.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)

EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Contrast the responsibilities of each component of the criminal justice system.
- Evaluate the interrelationships that link the components of the justice system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 3
Concepts of Criminal Law (CP 2)

4.0 Units

Historical development, philosophy of law and constitutional provisions; definitions, classification of crime, and their application to the system of administration of justice; legal research, study of case law, methodology, and concepts of law as a social force in a multicultural, multiethnic society.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Demonstrate a knowledge of the elements of crimes and determine crimes from factual situations.
- Access the appropriate legal code and identify the proper statute based on a given description of conduct.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 5
Community Relations

4.0 Units

An examination of the complex, dynamic relationship between communities and the justice system by addressing crime and conflict with an emphasis on the challenges and prospects of administrating justice within a diverse multicultural population. Topics covered may include crime prevention, restorative justice, conflict resolution, and ethics.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Discuss how the relationship between the justice system and the community is a complex interaction at multiple levels.
- Compare and contrast the traditional method of policing with the community-based philosophy of providing police services.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 6
Crime, Correction and Society

4.0 Units

A legal and sociological approach to understanding the fundamental ideas which have shaped correctional theories and practices. An in-depth study of adult sentencing, prisons, and jails subsystem including institutions by type and function, probation, parole, and community-based programs. A comprehensive examination of current correctional practices, punishment, rehabilitation, and community treatment programs with an emphasis on issues concerning race, ethnicity, and gender. This is a C-ID course.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ADMJ D050.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Compare and contrast the legal and sociological approaches which have been fundamental in shaping correctional theories and practices.
- Identify traditional correctional systems and alternative sentencing solutions and evaluate the effectiveness of both.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)

12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 11

Federal Courts and Constitutional Law

4.0 Units

Federal court procedure and the impact of U.S. Constitutional law on federal and state law. Read and analyze the Constitution. Effect of U.S. Supreme Court cases on current constitutional interpretation.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Analyze the substantive Constitutional amendments pertaining to individual civil rights and evaluate their impact on protected classes.
- Describe writs of error and certiorari and define their use within the appellate process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 25

Law and Social Change

4.0 Units

Exploration of the use of law as an instrument for social change. Examination of the relationship between law and social change in cross-cultural settings. Analysis of legislation, case law, the process of conflict resolution and legal institutions as they relate to social change.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Critique the relationship between law and social change within the context of cross-cultural settings.
- Analyze the roles of legislation and case law as they pertain to socio-cultural change.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 29

Ethnic Studies, Cultural Pluralism, and American Law and Justice

4.0 Units

This course is an interdisciplinary study of marginalized peoples and their relationship to the law. The course examines the legal perspective on cultural diversity in the United States by examining groups based on race, ethnicity, gender, class, religious background, disability, and sexual orientation. It also analyzes how these groups interact with mainstream society through American law, concentrating on both historical and contemporary state and federal legislation and court rulings, along with how the courts play a role in determining the status of minority groups and the effect of the law on cultural pluralism and cultural diversity in the United States.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Think critically about and analyze the effect court rulings and legislation have on cultural diversity/cultural pluralism in the United States today.
- Think critically about concepts such as race/ethnicity, racialization, ethnocentrism, eurocentrism, white supremacy, settler colonialism, decolonization, sovereignty, and anti-racism, and the effects on Native American, Native Hawaiian, African American, Latinx/Chicanx, and Asian American group experiences, social struggles, and resistance emphasizing agency and group affirmation; analyze the impact on the group's current power and status within U.S. society.
- Analyze critically the intersection of race and racism as they relate to class, gender, sexuality, religion, spirituality, national origin, immigration status, ability, tribal citizenship, sovereignty, language, and/or age in Native American, African American, Asian American, and Latinx/Chicanx American communities.
- Review critically how struggle, resistance, and racial and social justice as experienced by Native American, African American, Asian American, and Latinx/Chicanx American communities are relevant to current and structural issues, especially as seen in law and policy in areas such as tribal rights and sovereignty, immigration, language, voting, and housing.
- Apply theory and knowledge produced by Native American, African American, Asian American, and/or Latinx/Chicanx American communities to describe the critical events, histories, cultures, intellectual traditions, contributions, lived-experiences and social struggles of those groups with a particular emphasis on agency and group-affirmation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 51
Women in Crime

4.0 Units

An examination of the changing role of women in crime with emphasis on gender and cultural based differences related to victims, offenders and criminal justice professionals.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Describe and appraise the historical impact of women as criminal justice professionals.
- Identify the causation factors which generate criminal behavior by female offenders.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 53
California-Specific Criminal Law

4.0 Units

This is an advanced course in criminal law emphasizing substantive California statutory criminal codes.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Identify and analyze critical concepts of advanced criminal law.
- Define and describe violations classified as general crimes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 54
Youth and the Law

4.0 Units

A legal and sociological approach to understanding the causes of juvenile delinquency; an examination of race, culture, and gender in juvenile delinquency; community responses to delinquency; organization, functions, and jurisdiction of both social and legal agencies; processing and detention; case disposition; statutes and court procedures.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Analyze the sociological principles regarding the causation of juvenile crime and delinquency.
- Identify those laws that relate to juvenile offences and critique how they impact youthful offenders.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 55
Alcohol, Narcotics and Drug Abuse

4.0 Units

Designed to equip public service workers and the community with knowledge of the issues involved in drug abuse, including the history and classification of drugs and the problems facing society and the governing of illegal drug use.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Describe and analyze the relationship between the causes and demographics of crime and substance abuse.
- Identify the major groups of abuse substances and compare their histories, characteristics, and illicit use.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 56
Practical Writing for Administration of Justice

4.0 Units

This course is designed to acquaint the student with the basic principles, techniques, and applications required to complete an effective, professional investigative report within the criminal justice system. Ethical standards and critical thinking, as they relate to report-writing, will be examined.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Describe and apply the legal requirements governing criminal justice report development.
- Construct an investigative report utilizing professional criteria and techniques.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 61
Criminal Investigation

4.0 Units

This course provides students with the fundamentals of criminal investigation such as techniques of crime scene search and recording; collection and preservation of physical evidence; use of scientific aids; modus operandi processes; sources of information; interviewing techniques.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ADMJ 3 or PARA 3 or POLI 13 (may be taken concurrently) or ADMJ 75 or PARA 75 or POLI 75 (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
ANTH 7

Student Learning Outcomes
- Analyze the concepts and fundamentals of criminal investigation and discuss how their ultilization affects substantive investigations.
- Demonstrate the ability to construct an investigative diagram of a crime scenario.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 62
Sexual Assault, Police and Community Response

4.0 Units

This course examines the societal and psychological aspects of sexual assault, the perpetrators and the victims, along with the practical application of the police investigation, the criminal justice process, and social service intervention.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Describe the legal elements of rape and sexual assault.
- Compare and contrast the various multidimensional and multidisciplinary theoretical causes of sexual assault.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 64

Administration of Justice Internship

1.0 Units

Program of work experience and study in law enforcement, corrections/probation, private security or human services under the supervision of the instructor and agency personnel.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Explain the organization, function, and tasks of an agency in the criminal justice system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

ADMJ 64X

Administration of Justice Internship

2.0 Units

Program of work experience and study in law enforcement, corrections/probation, private security or human services under the supervision of the instructor and agency personnel.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Explain the organization, function, and tasks of an agency in the criminal justice system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

ADMJ 64Y

Administration of Justice Internship

3.0 Units

Program of work experience and study in law enforcement, corrections/probation, private security or human services under the supervision of the instructor and agency personnel.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Explain the organization, function, and tasks of an agency in the criminal justice system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

ADMJ 64Z

Administration of Justice Internship

4.0 Units

Program of work experience and study in law enforcement, corrections/probation, private security or human services under the supervision of the instructor and agency personnel.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Explain the organization, function, and tasks of an agency in the criminal justice system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

ADMJ 69

Administration of Justice Field Trips

1.0 Units

This is a survey of current conditions in law enforcement, probation, corrections, and visits to

adult or juvenile detention and correctional facilities in Northern California.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Critique the philosophies of local, county, state, and federal organizations and facilities and compare how each affects the justice system.
- Compare and contrast the working environments of criminal justice organizations and personnel at different levels of local, county, state, and federal criminal justice facilities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

ADMJ 73
Crime and Criminology

4.0 Units

This course introduces the major types of crime and criminal behavior, examining demographics and measurement of crime, theories of causation and victimization, crime prevention, and crime control.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Analyze the historical nature and measurement of criminal behavior within society.
- Identify and compare the biological, psychological, and sociological explanations of crime.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 74A
Interviewing, Interrogation and Crisis Intervention

4.0 Units

This course examines the theories, principles, and strategies of tactical and interpersonal communication necessary to interview victims, witnesses, and suspects. Students will explore crisis intervention strategies for victims and witnesses of crime, along with communication with individuals from diverse backgrounds with consideration to race, ethnicity, gender, age, and special needs.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Compare and contrast the major principles and strategies of effective interviewing and interrogation.
- Differentiate between truthful and deceptive human behavior exhibited during both the interview and interrogation processes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 75
Principles and Procedures of the Justice System

4.0 Units

Procedures followed by law enforcement and courts in criminal cases; constitutional principles governing those procedures.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment

(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Describe the development of the criminal justice system within the framework of the U.S. and State Constitutions.
- Identify the components of the criminal justice system and discuss how each is fundamental to the justice process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 78
Correctional Investigation

4.0 Units

History and development of probation and parole systems, including current practices at the federal, state and local levels. Investigation techniques needed for preparation of pre-sentence investigation reports, use of these reports in the courts, probation and parole supervision, and correctional institutions.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Explain the evolution of modern probation and parole.
- Analyze the affect that community agencies have had on correctional programs and procedures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 84
Forensic Science

4.0 Units

This course discusses techniques used by forensic scientists in identification, collection, comparison, and analysis of different types of physical evidence from crime scenes. The course is intended for the non-science major seeking a law enforcement career but it is useful to all students interested in the field of forensic science. Emphasis will be given to trace evidence, DNA evidence, bloodstain patterns, firearms, tool marks, fingerprints, questioned documents, drugs, arson, explosives, computer forensics, and courtroom expert witness testimony. This is a combined content lecture and skill-building crime lab utilization course.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
ANTH 7

Student Learning Outcomes
- Describe the forensic science in the criminal justice system from the crime scene to the crime laboratory and to the courtroom.
- Identify various forensic disciplines and what type of analysis and/or services they can provide to law enforcement agencies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 90A
Legal Aspects of Evidence (CP 4)

4.0 Units

The origin, development, and content of the rules of evidence; kinds of degrees of evidence and rules governing admissibility of evidence.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Explain the legal reasoning for the development of rules of evidence.
- Analyze a case scenario and demonstrate the proper rules of evidence that apply to that case.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ADMJ 95
Overview of American Law

4.0 Units

Overview of the major substantive areas of American law: contracts, constitutional law, corporations, criminal law, family law, property, torts, wills and estates.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Demonstrate knowledge of the American judicial system and process, utilizing appropriate legal terminology.
- Demonstrate the ability to read case law and statutory law.
- Analyze factual situations in relationship to concepts of the major areas of substantive law in America.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

AFAM 10
An Introduction to African American Studies

4.0 Units

This course is an introduction to the field of African American Studies through history, literature, philosophy, the arts, and culture. Additionally, it will examine the sociological, political, economic, and philosophical perspectives on the experience of people of African ancestry in the United States. The values, experience, and cultural contributions of Black/African American individuals in the United States will be identified, examined, and authenticated.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ICS D010.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Examine the intersections of social constructions like race, class, gender, and sexual orientation as it relates to the Black and/or African American experience.
- Analyze the impact of institutionalized racism, classism, sexism, homophobia, and other forms of oppression and discrimination on the economic and social conditions of Black and/or African Americans in the United States.
- Examine and evaluate the historical forces and issues that gave rise to African American Studies.
- Identify and analyze contemporary issues impacting people who identify as Black and/or African American within United States society.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

AFAM 11
Sankofa: Roots of the African American Experience

4.0 Units

This is an African American Studies course that introduces students to concepts of race, racialization, ethnicity, racial identity formation, and their impact on the lived experiences of Black people in the United States. The course will build upon African American Studies concepts in order to understand the experiences of the African Diaspora in the United States. This course will build upon this concept of Sankofa or "returning to the source" in order to understand the present state of the African Diaspora, specifically those individuals identifying as Black American or African American. Emphasis will be placed on the historical and psycho-cultural understanding of people of African descent throughout the Diaspora.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Analyze and articulate concepts such as race, racism, racialization, ethnicity, equity, ethnocentrism, eurocentrism, white supremacy, liberation, decolonization, sovereignty, imperialism, settler colonialism, anti-Blackness, anti-racist, and misogynoir as analyzed through African American Studies.
- Apply Ethnic Studies concepts, like intersectionality, liberation theory and knowledge produced by African American individuals and the larger cultural community to describe the critical events, histories, cultures, intellectual traditions, contributions, lived experiences and social struggles of African Americans, with particular emphasis on agency and group-affirmation.
- Critically analyze the intersections of race, and white supremacy as they relate to class, gender, sexuality, sexual orientation, religion, national origin, immigration status, relationship status, ability, language and/or age in African American communities.
- Review critically how struggle, resistance, racial and social justice, solidarity, and liberation, as experienced, enacted, and studied by African Americans are relevant to current and structural issues such as communal, national, international, and transnational politics, law, and societal expectations.
- Describe and actively engage with anti-Blackness, white supremacist, anti-racist and anti-colonial issues and the practices and movements in African American communities to build a just and equitable society.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0

Total	48.0	**Total**	96.0

AFAM 12A

African American History to 1865

4.0 Units

This course examines the history of Black/African Americans from their kidnapping from Africa to their enslavement in the Americas until the end of the institution of slavery after the Civil War, including their struggle and resistance to racial oppression. The major events in the development of the United States by emphasizing the role of people of African descent in the political, social and economic life of the United States will be analyzed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(AFAM D012A was formerly ICS D018A.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Summarize the influence of West African culture on the lives of Black/African Americans.
- Identify the experience of the Middle Passage for kidnapped Africans.
- Analyze the role the institution of slavery played in shaping the history of the United States.
- Recognize significant events leading to the Civil War and end of slavery in 1865.
- Demonstrate an awareness of some of the conditions kidnapped and enslaved Africans experienced within the institution of slavery.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

AFAM 12B

African American History Since 1865

4.0 Units

This course examines the history of the Black/African American in the United States since the ending of the American Civil War. The major events, policies, themes, experiences, and Black/African American people that shaped the history of the United States will be analyzed. This course will help students understand the role of Black/African Americans in the political, social and economic life of the United States from Reconstruction to the Jim Crow era, to the modern Civil Rights Movement to the Black Power Movement to the Black Lives Matter movement against police brutality and the prison industrial complex impacting Black/African Americans today. How institutions, policies, social norms, and laws have historically, and currently oppressed/oppress Black/African Americans will also be examined.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)

(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(AFAM D012B was formerly ICS D018B.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Evaluate how systematic segregation and institutional racism shaped, and continues to shape, the lives of Black/African Americans in the United States.
- Investigate the contributions of Black/African Americans in shaping the historical, political, social, and economic conditions of the United States.
- Analyze the significance of the modern day Civil Rights Movement and its impact on creating a more socially just society.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

AFAM 25

Introduction to Black Feminism

4.0 Units

This course is an interdisciplinary, multi-perspective, critical analysis, and comparative study of Black Feminism. Students will examine some of the key theories and ideas of Black Feminism and Black Feminist Thought, including womanist theory, the theory of intersectionality, and standpoint theory. The course will consider how Black women have challenged the intersecting effects of racism, sexism, classism, colonialism, homophobia, media exploitation, and other forms of social violence. Students will read major works, learn to engage in critical dialogue, and articulate their own positions concerning the basic ideas and principles of Black Feminism. The values, experience, and cultural contributions of Black feminist and/or Black womanist individuals in the United States will be identified, examined, and authenticated.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Demonstrate an awareness of some of the key theories and concepts of Black feminism.
- Engage in critical dialogue about the basic ideas and principles that guide Black feminist theories in an inclusive and safe learning environment.
- Analyze and articulate current issues from a Black feminist perspective.

- Research local organizations which support the goals of Black women, and engage in community activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ANTH 1
Physical Anthropology

4.0 Units

Introduction to biological aspects of humans. A bio-cultural and an evolutionary approach is used to understand human variation and human evolution. Issues and topics will include, human variation and its adaptive significance, biological and behavioral evolution of humans, comparative primate anatomy and behavior, evolutionary theory, and the impact of cultural, technological and environmental change on human biology and behavior.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Analyze human biological diversity as a response to physical, biotic, socio-cultural and biological factors.
- Evaluate biological and behavioral similarities and differences between humans and non human primates.
- Apply scientific, evolutionary, holistic and a multidisciplinary approach to understand human biology and behavior.
- Evaluate human biology and culture as a response to 7 million years of evolutionary process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ANTH 1H
Physical Anthropology - HONORS

4.0 Units

Introduction to biological aspects of humans. A bio-cultural and an evolutionary approach is used to understand human variation and human evolution. Issues and topics will include, human variation and its adaptive significance, biological and behavioral evolution of humans, comparative primate anatomy and behavior, evolutionary theory, and the impact of cultural, technological and environmental change on human biology and behavior. As an honors course, the students will be expected to complete extra assignments to gain deeper insight into anthropology.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Analyze human biological diversity as a response to physical, biotic, socio-cultural and biological factors.
- Evaluate biological and behavioral similarities and differences between humans and non human primates.
- Apply scientific, evolutionary, holistic and a multidisciplinary approach to understand human biology and behavior.
- Evaluate human biology and culture as a response to 7 million years of evolutionary process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ANTH 1L
Physical Anthropology Laboratory

1.0 Units

Laboratory course in which the students apply and practice the scientific methods, techniques and procedures used by physical anthropologists to understand human evolution, non-human primates and human variation. Students gain practical experience and a deeper understanding by participating in lab exercises, activities and experiments that explore human evolution, osteology, forensics, genetics, modern human variation, primate anatomy and behavior.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ANTH 1 or ANTH 1H (either course may be taken concurrently)

Student Learning Outcomes
- Analyze human biological diversity as a response to physical, biotic, socio-cultural and biological factors.
- Evaluate human biology and culture as a response to 7 million years of evolutionary process.
- Evaluate biological and behavioral similarities and differences between humans and non human primates.
- Apply scientific, evolutionary, holistic and a multidisciplinary approach to understand human biology and behavior.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

ANTH 2
Cultural Anthropology

4.0 Units

The anthropological approach to the study of human behavior from a cross-cultural, comparative perspective. An exploration into the languages, subsistence, economics, sociopolitical systems, religions, and world views of diverse world cultures. An assessment of the dynamics of culture change and future prospects for humanity.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Apply a scientific, holistic and a multidisciplinary approach to understand and analyze human behavior.
- Recognize the value of cultural relativism and the validity of each culture as an adaptive strategy to the challenge of physical and social environment.
- Analyze cultural diversity, and explain how they arose and change. They will also identify underlying similarities between cultures.
- Recognize that humans are not superior to their environment but an integral part of their natural and cultural environment on this planet.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ANTH 2H
Cultural Anthropology - HONORS

4.0 Units

The anthropological approach to the study of human behavior from a cross-cultural, comparative perspective. An exploration into the languages, subsistence, economics, sociopolitical systems, religions, and world views of diverse world cultures. An assessment of the dynamics of culture change and future prospects for humanity. As an honors course, the students will be expected to complete extra assignments to gain deeper insight into anthropology.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Apply a scientific, holistic and a multidisciplinary approach to understand and analyze human behavior.
- Recognize the value of cultural relativism and the validity of each culture as an adaptive strategy to the challenge of physical and social environment.
- Analyze cultural diversity, and explain how they arose and change. They will also identify underlying similarities between cultures.
- Recognize that humans are not superior to their environment but an integral part of their natural and cultural environment on this planet.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ANTH 3
Introduction to Archaeology

4.0 Units

Introduction to the field of archaeology within the discipline of anthropology including discussion of scientific methods, the history of archaeology, field and laboratory methods used in the analysis of archaeological data, and theories used to interpret the past. This course explores how archaeologists recover, analyze material and reconstruct ancient cultures and societies. Archaeological ethics and real-world issues concerning looting, collecting, preservation, and the role of indigenous peoples will be examined.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Develop an understanding of the scientific method as it applies to archaeological investigation of past societies, lives and modes of production.
- Develop an understanding of how theoretical paradigms are (and were) applied to the data acquired from archaeological sites as a frame of reference for interpretation of the human dynamics that took place intra-site and inter-site, by region and by mode of adaptation and production.
- Demonstrate an ability to investigate the relationship between material culture and physical remains, including how to hypothesize and build a model of past behavior from archeological evidence.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ANTH 4
World Prehistory

4.0 Units

Worldwide patterns of cultural transformation, from the earliest foraging societies to the development of agrarian states. The prehistoric interpretation of these changes based upon the comparison of archaeological evidence from Africa, Asia, Europe, the Middle East, the Americas, and Oceania.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Develop an appreciation of the range and diversity of past human societies, as well as analyze and evaluate the reasons why other cultures have developed their particular beliefs, practices and institutions.
- Demonstrate an ability to investigate the relationship between culture and material culture, including how to hypothesize and build a model of past behavior from archeological evidence.
- Illustrate and explain the processes of culture change, and recognize the patterns of past processes in present day society.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ANTH 5
Magic, Science and Religion

4.0 Units

Introduction to the analysis of systems of observation, deduction, reasoning, belief, and practical action across human culture past and present. Issues and topics include symbol, myth, and narrative; ritual and altered states of consciousness; specialist practitioners; healing, illness, and death; and relations between religion, science, politics, intercultural encounter, and historical change.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Students will apply a scientific, holistic and a multidisciplinary approach to understand and analyze human behavior.
- Students will recognize the value of cultural relativism and the validity of systems of religious and scientific thought and practice as adaptive strategies to the challenges of physical and social environments.
- Students will analyze the diversity of religious and scientific systems and explain how they arise, function, and change in the contexts of politics, history, and intercultural encounter. They will also recognize underlying similarities between these systems

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ANTH 6
Linguistic Anthropology

4.0 Units

A cross-cultural investigation into the relationship between language and culture: language as a human attribute; language structure, historical origins, diversification, and change; gender and cultural variations in language usage; comparative analysis and classification of world languages; the origins and development of writing; microelectronics and the advent of the information age; globalization and language.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Evaluate value of each different language and dialect, and its relationship to different cultural backgrounds, in which social conflicts and stereotypes are often originated from misunderstanding different rules of language practice even when using the same language.
- Analyze different sound systems of different languages which make non-native speakers speak foreign languages with accents.
- Analyze patterns of linguistic change by investigating historical changes in different languages.
- Demonstrate the ability to analyze languages in social and cultural contexts, to build a lot of verbal and nonverbal characteristics to illustrate cultural uniqueness.
- Demonstrate the similarities and differences in various linguistic practices and its relevance to anthropological concepts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ANTH 7
Introduction to Forensic Anthropology

4.0 Units

An introduction to forensic anthropology which is an applied field of physical anthropology. A comparative and holistic approach is used to interpret human skeletal remains and determine

the age, sex, race, time of death, trauma, pathology, for the purpose of identification. Focus on varying areas in which forensic anthropology is used, such as in crime scene investigation, missing person identification, human rights, and humanitarian investigations.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Apply scientific, evolutionary, holistic and a multidisciplinary approach to understanding human biology and behavior.
- Develop the skills to recover, examine, extract and interpret data for the remains for use in the medico-legal community.
- Recognize the ethical responsibilities of a forensic anthropologist and understand the position of the discipline as an applied field of anthropology.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ANTH 8
Medical Anthropology: Methods and Practice

4.0 Units

Medical anthropology seeks to understand how health, illness and healing practices are culturally constructed and mediated. Students will investigate global, cross-cultural and local issues related to health, sickness, healing, epidemiology, aging and dying from an applied and bio-cultural perspective, using anthropological theory and ethnographic fieldwork methods. Students will be exposed to diverse cultural interpretations of health, sickness and healing, the importance of viewing medical systems as social systems, understanding the socio-cultural context of medical decision making and therapy management, the principles of cultural competency, and the recurrent and ongoing problems of socioeconomic inequality and ecological disruptions that have an impact upon the differential distribution and treatment of human diseases.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Practice and apply understandings of an evolutionary perspective to changing relationships between human societies, ecologies and illness.
- Analyze and interpret methods and practice of medical anthropology.
- Apply anthropological principles for solving human issues at the local, regional and international level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ANTH 12
Introduction to Applied Anthropology

4.0 Units

Focuses on the use of Anthropological theories, perspectives and methods in the real world contexts of practice, problem solving and policy making. It is an introduction to the 5th field of anthropology, providing students with methods, theories and skills to help understand and solve issues arising as a result of culture change, culture conflict, modernization and globalization. Major areas of study will include medical anthropology, development anthropology, anthropology and healthcare, anthropology and advocacy, anthropology and law, organizational and business anthropology, educational anthropology, public anthropology and cultural resource management.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Practice cultural relativism and apply understandings of global diversity in a practical and applied form.
- Critically analyze and interpret anthropology data so that it can be used to apply to real world issues.
- Apply anthropological principles for solving human problems on the local, regional and world scales.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ANTH 68
Anthropology and Museums

4.0 Units

An introduction to the field of museum studies or museology with a special emphasis on anthropology museums. Explores the meaning and function of museums and their changing role in the twenty-first century. Experience the curatorial role in an anthropology museum with hands-on experience in acquisition, conservation, identification, cataloging, exhibition, and interpretation of anthropological material.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Apply scientific, evolutionary, holistic and a multidisciplinary approach to understanding human biology and behavior.
- Evaluate the function of the museums including acquisitions, conservation, researching, exhibition and interpretation of the materials.

- Apply curatorship in developing exhibitions and transform the gallery into civic and learning spaces for their communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

APRN 50A
Introduction to Automotive Principles

4.0 Units

A selective study of the automobile's engine systems. Knowledge and skills that are necessary for basic repair, maintenance, and troubleshooting of today's engine systems. This course may be used to fulfill the prerequisite to the Automotive Technology Program.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Answer correctly, selected questions on the final exam concerning engine theory, lubrication, and basic electrical fundamentals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

APRN 50B
Applied Automotive Principles

2.0 Units

Basic experiences in automotive repair and maintenance as related to the engine and its supporting systems.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Answer correctly, selected questions on the final exam concerning engine service, cooling system maintenance and battery testing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.5	3.0
Laboratory Hours	2.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	18.0	**Lecture**	36.0
Laboratory	30.0	**Laboratory**	0.0
Total	48.0	**Total**	36.0

APRN 51A
Introduction to Automotive Principles - Chassis Systems

4.0 Units

A selective study of the automobile's chassis and drive line systems. Knowledge and skills necessary for basic repair, maintenance, and troubleshooting of today's chassis and drive line systems. Can be used to fulfill the prerequisite to the Automotive Technology Program.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Answer correctly, selected questions on the final exam concerning drive line theory, clutch and transmission service and diagnosis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

APRN 51B
Applications of Automotive Principles - Chassis Systems

2.0 Units

Basic experiences in automotive repair and maintenance as related to suspension, steering, braking, and drive line components.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Answer correctly, selected questions on the final exam concerning tire service including balancing, disc and drum brake service, and front and rear suspension service.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.5	3.0
Laboratory Hours	2.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	18.0	**Lecture**	36.0
Laboratory	30.0	**Laboratory**	0.0
Total	48.0	**Total**	36.0

APRN 53A

Automotive Mechanisms

4.0 Units

The application of physical principles to the operation of mechanical and hydraulic systems, using an applied physics technique.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Demonstrate the ability to diagram and construct compound mechanical and pneumatic machines, calculating the mechanical advantage for the individual componants as well as the complete system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

APRN 60

Automotive Electrical Systems

9.0 Units

Principles of electricity, electronics, cranking and charging systems. Testing, diagnosis and repair of these systems.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Demonstrate the ability to diagram and construct simple electrical circuits, calculating and measuring voltage, amperage, and resistance using Ohm's Law and a digital multimeter.
- Develop a testing sequence to diagnos inoperative charging, cranking, and battery circuits.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	108.0	**Lecture**	216.0
Laboratory	0.0	**Laboratory**	0.0
Total	108.0	**Total**	216.0

APRN 60A

Electrical Schematic Diagnosis

4.5 Units

Theory of operation for electrical, electronic, and electromechanical accessory systems. Understanding and using wiring diagrams, schematics, and other diagnostic information to troubleshoot electrical, electronic, and electromechanical systems. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Analyze an open circuit problem in which all or part of the circuit is inoperative.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

APRN 60B

Automotive Electronics

4.5 Units

Application of computer control principles to automotive systems. Operation of automotive electronic control systems, including commonly used sensors, actuators, and displays. Introduction to diagnostic methods and test equipment for automotive electronic control systems. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Analyze the operation of engine control systems where computer management is prevalent.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

APRN 60C
Automotive Ignition, Fuel and Emission Systems

9.0 Units

Introduction to components, subsystems, and functions of ignition, fuel delivery, carburetor, and fuel injection systems (engine management). Introduction to automotive emission controls. Basic diagnosis, service, and repair procedures. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Identify major ignition and fuel system components.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	108.0	**Lecture**	216.0
Laboratory	0.0	**Laboratory**	0.0
Total	108.0	**Total**	216.0

APRN 60D
Ignition Analysis and Oscilloscope Diagnosis

4.5 Units

Ignition system principles of operation and diagnosis. Use of electronic test equipment in ignition system diagnosis. Preparation for Automotive Service Excellence (ASE) certification examinations in Areas A6, A8, and L1.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Identify the purpose of an automotive ignition system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

APRN 60E
Automotive Fuel Injection

4.5 Units

Theory of operation and service of electronic fuel injection systems. Component parts and their functions and overall system theory. Diagnostic and repair methods using standard test and repair equipment. Preparation for Automotive Service Excellence (ASE) examination in Areas A8 and L1.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Describe the principles of electronic fuel injection.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

APRN 60F
No-Start Diagnosis

4.5 Units

Principles of troubleshooting procedures and techniques to analyze and repair of "no-start" problems in the fuel, ignition, and electrical systems of an automobile. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Identify basic internal combustion principles for the gasoline engine.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

APRN 60G

Advanced Scan Tool Diagnosis

4.5 Units

Advanced drivability diagnosis using a scan tool. Using the onboard diagnostic capabilities of vehicles built since 1980. Advanced scan data analysis. Using PC capabilities to store and analyze diagnostic information. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Identify the purpose of an automotive scan tool.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

APRN 60H

Advanced Drivability and Onboard Diagnostics

4.5 Units

Survey of onboard diagnostic systems from 1980 to the present. Advanced electronic diagnostic procedures using an automotive scan tool. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Describe the onboard self-test and diagnostic capabilities of various manufacturers' vehicle control systems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

APRN 60J

Advanced Lab Scope and Waveform Diagnosis

4.5 Units

Diagnosis of automotive electronic systems using a laboratory oscilloscope and a power graphing meter. Related use of other basic test equipment, including a digital multi-meter (DMM) and scan tool. Advanced waveform analysis. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Analyze the various designs and applications of the diagnostic oscilloscope and power graphing meter.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

APRN 60K

Automotive Body Electrical Systems

4.5 Units

Theory of operation for body electrical, electronic, and electromechanical systems. Understanding the functions of automotive body electrical systems. Utilization of special diagnostic equipment for body electrical systems and subsystems. Appropriate repair protocol for applied body electrical systems. Symptom to system diagnosis. Preparation for Automotive Service Excellence (ASE) examination in Area A6.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- The student will show an understanding of a resistive multiplexed switch circuits operation and diagnosis through a written essay.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

APRN 60N

Hybrid Vehicle Safety and Maintenance

2.0 Units

Explores the use of hybrid electric power for vehicle transportation. Topics will include safety, maintenance of hybrid propulsion and internal combustion systems, drivability, and storage battery technology. Various designs of hybrid vehicles and their integrated systems from multiple manufacturers will be discussed. This course also fulfills the Toyota Technician Education Network training requirement for the T-256 course. This course is suitable for students interested in alternative fuels or power and energy technology.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Identify the function of an automotive hybrid propulsion system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

APRN 61A

Automotive Brake Systems

4.5 Units

Operation of automotive brake systems. Repair, maintenance and troubleshooting.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Students will understand proper brake inspection procedures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

APRN 61B

Electronically Controlled Brake Systems

4.5 Units

Computer controlled automotive brake systems, including service, maintenance, troubleshooting and repair procedures.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- The student will be able to describe the differences in the two major types of wheel speed sensors used on cars and light trucks as well as how they function, and how to diagnose a failure of the component.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

APRN 62A

Automotive Suspension, Steering and Alignment

9.0 Units

Operation of automotive suspension, steering and alignment systems. Overview of maintenance, repair and troubleshooting procedures.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Students will understand proper under car inspection procedures.
- Students will understand proper vehicle wheel alignment procedures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	108.0	**Lecture**	216.0
Laboratory	0.0	**Laboratory**	0.0
Total	108.0	**Total**	216.0

APRN 62B

Advanced Wheel Alignment

9.0 Units

Advanced study of wheel alignment systems. Emphasis is placed on diagnostic inspection and repair procedures.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- The learner will understand the concepts and be able to diagnose vehicle wander, drift, pull, hard steering, bump steer, memory steer, torque steer, and steering return concerns; determine necessary action.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	108.0	**Lecture**	216.0
Laboratory	0.0	**Laboratory**	0.0
Total	108.0	**Total**	216.0

APRN 63

Automatic Transmissions and Transaxles

9.0 Units

Principles of operation, service and repair procedures for automatic transmissions and transaxles. Hydraulic and mechanical system operation. Power flow and component repair techniques. Preparation for Automotive Service Excellence (ASE) certification examination in Area A2.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Show an understanding of how a torque converter works.
- Show an understanding of the inputs to transmission that create both up and downshifts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	108.0	**Lecture**	216.0
Laboratory	0.0	**Laboratory**	0.0
Total	108.0	**Total**	216.0

APRN 63A

Advanced Manual Drive Train

9.0 Units

Details of operation and repair of automotive manual drive train components. The design operation and repair of four wheel and all wheel drive components, as well as the theory and practical application of the diagnosis of noise and vibrations in the drive train based on frequency calculation and measurement. Service and repair procedures, product problem discussions and demonstrations. Preparation for Automotive Service Excellence (ASE) certification examination in Area A3.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- The student will understand the workings of a manual transmission clutch assembly.
- The student will be able to calculate first and second order frequency vibrations for a rear wheel drive propeller shaft.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	108.0	**Lecture**	216.0
Laboratory	0.0	**Laboratory**	0.0
Total	108.0	**Total**	216.0

APRN 63D

Transmission Diagnostic and Repair Techniques

4.5 Units

Diagnostic and repair techniques for automatic transmissions and transaxles. Emphasis on development of diagnostic procedures and repair techniques. Preparation for Automotive Service Excellence (ASE) certification examinations in Areas A2 and A3.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Show an understanding of the operation of transmission solenoids and the corresponding voltage values for diagnostic purposes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

APRN 64
Automotive Machining and Engine Repair

9.0 Units

Repair and rebuilding of engine cylinder heads and block components, engine assembly and testing. Includes theory, diagnosis, disassembly, cleaning, inspection and failure analysis. Preparation for Automotive Service Excellence (ASE) examinations for Areas A1 and M1, M2 and M3.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Student should be able to answer selected questions on the final concerning engine theory, valve events, engine diagnostics, and engine assembly.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	108.0	**Lecture**	216.0
Laboratory	0.0	**Laboratory**	0.0
Total	108.0	**Total**	216.0

APRN 64HP
High Performance Engine Preparation

9.0 Units

Precision and performance engine preparation. Includes selection and matching of engine and valve train components for maximum efficiency and output.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Student will answer correctly, selected questions on the final exam concerning blueprinting operations, engine theory, camshaft design, parts reliability upgrades. These are areas essential to the understanding of performance engines.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	108.0	**Lecture**	216.0
Laboratory	0.0	**Laboratory**	0.0
Total	108.0	**Total**	216.0

APRN 65P
Smog Inspector - Level 1 Training

7.0 Units

Automotive technician training program for California's Smog inspection program. Course content is mandated by the Bureau of Automotive Repair (BAR).

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
APRN 65W

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes
- Student will be able to answer correctly, selected questions on the final exam concerning Bureau of Automotive Repair rules, regulations, and proper procedures to perform a smog check in the state of CA.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	7.0	14.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	84.0	**Lecture**	168.0
Laboratory	0.0	**Laboratory**	0.0
Total	84.0	**Total**	168.0

APRN 65W
Smog Inspector - Level 2 Training

2.5 Units

Automotive technician training program for California's Smog Inspection Program. Meets one of the Bureau of Automotive Repair (BAR) requirement for obtaining Smog Inspector License.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
APRN 65P

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an

approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes

- Student will be able to answer correctly, selected questions on the final exam concerning Bureau of Automotive Repair rules, regulations, and proper procedures to perform a smog check in the state of CA.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	30.0	**Lecture**	60.0
Laboratory	0.0	**Laboratory**	0.0
Total	30.0	**Total**	60.0

APRN 66
Automotive Air Conditioning

4.5 Units

Operation and service of automotive air conditioning refrigeration and electrical control systems. Includes retrofitting. Emphasis on diagnosis and repair of systems. Preparation for Automotive Service Excellence (ASE) certification examination in Area A7.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes

- Students will understand proper refrigerant recovery, recycling, and handling procedures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

APRN 67A
Hybrid Electric Vehicles

4.5 Units

Understanding the functions of automotive hybrid propulsion systems. Operating characteristics of hybrid drive systems. Integration of high voltage power supplies and energy storage systems. Operating fundamentals of DC to DC converters. Relationship of internal combustion engines and motor generators. Function and design of regenerative braking systems. Operation of hybrid transmission systems and power splitting devices. Application of the high expansion ratio cycle. Understanding the safety aspects of service hybrid electric vehicles. Utilization of special diagnostic equipment for hybrid electrical systems and related subsystems. Appropriate repair protocol for hybrid electrical systems. Maintenance and servicing of hybrid vehicles.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes

- Identify the function of an automotive hybrid propulsion system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

APRN 67B
Plug-In Electric Vehicle Technology

4.5 Units

Understanding the functions of plug-in electric vehicles and hybrid extended-range electric vehicles. Operating characteristics of high voltage onboard charging systems. charging stations, photovoltaic systems, and electrical grid charging. Operation of onboard smart charging systems. Economics of electric transportation, utility company systems, and existing options such as off-peak charging. Understanding the use of electric power as applicable to extended range electric vehicle transportation. Utilization of applicable diagnostic and service equipment. Electric vehicle theory of operation. Advantages of an electric drive train. Electric vehicle history and current status of plug-in electric vehicle technologies. Career possibilities in the electric transportation industry. Safety procedures and maintenance of plug-in electric vehicles.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes

- Demonstrates the ability to safely maintain and service a vehicle that uses a high voltage battery as a fuel source for the main propulsion.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

APRN 67G
Gaseous Fuels

4.5 Units

Gaseous fuels include Propane, Compressed Natural Gas, liquefied Natural Gas and hydrogen. Propane has been used as an engine fuel for over 80 years. After gasoline and diesel it is the third most popular fuel. It is used to powers over four million vehicles. Compressed Natural Gas, liquefied Natural Gas are being used in many fleet applications and have a large pipeline

distribution system. Hydrogen is used in a fuel cell to create electricity and expels water. Two major automobile manufacturers have introduced hydrogen powered cars. As a society we are moving towards having humans have less of an impact on our environment and the gaseous fuel are a big part of the movement.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes

- Students will interpret the environmental affects gaseous fuel produce and which fuel has the lowest effect on our world. This will be determined with a group of questions on the final exam.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

APRN 67J
Introduction to Automotive and Light Truck Diesel Systems

4.5 Units

As of January 2010, California state law required light duty diesel powered vehicles to be included in the smog check program. Diesel's higher efficiency is moving these vehicles' highway mileage to over 40 miles per gallon. Chevrolet, Jeep and Mazda are all adding diesel powered vehicles into their new car line-up. This course will consist of lectures and laboratory demonstrations. Providing our students with the necessary skills to maintain and repair light duty diesel vehicles. Diesel training will give students new abilities that are required to be successful in their careers in the automotive industry.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Open only to apprentices in the Automotive Technologies Apprenticeship Program (an approved program by the Division of Apprenticeship Standards).)

Student Learning Outcomes

- Demonstrate the ability to understand diesel theory.
- Develop a testing system to systematically trouble shoot diesel fuel systems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

ARTS 1A
Introduction to the Visual Arts

4.0 Units

This course explores visual imagery throughout the world, for the purpose of refining visual literacy skills. Works of art will be studied by means of formal analysis and medium, the social experiences of artists, the function of works of art in their original environment, and comparison of works from different cultures. The primary emphasis will be on paintings, graphic works, and sculpture.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Students will analyze the social experiences of artists, demonstrating how artists' relationships with their patrons was a defining factor in the production of works of art.
- Students will demonstrate visual literacy and critical thinking skills by evaluating diverse scholarly perspectives when interpreting works of art.
- Students will investigate the different techniques utilized in the production of works of art through written analysis based on firsthand evaluation of original art objects.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ARTS 1B
Architecture Past and Present

4.0 Units

This course explores architecture throughout the world, for the purpose of refining visual literacy skills. Works of architecture will be studied comparatively with regard to form and function, and numerous architectural concepts will be examined.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Students will analyze the social experience of architects, demonstrating how architects' relationship with their patrons was a defining factor in the production of buildings and monuments.
- Students will demonstrate visual literacy and critical thinking skills by evaluating diverse scholarly perspectives when interpreting works of architecture.
- Students will investigate the different techniques utilized in the production of works of architecture through written analysis based on firsthand evaluation of local buildings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ARTS 2A

History of Art: Europe from Prehistory through Early Christianity

4.0 Units

This course provides an introduction to the discipline of art history through an analysis of images, objects, and works of architecture produced from the prehistoric period of European history through approximately the year 600 C.E., including discussion of Stone Age, Mesopotamian, Egyptian, Greek, Etruscan, Roman, Early Christian, and Byzantine cultures.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Students will analyze the social experiences of artists, demonstrating how artists' relationships with their patrons was a defining factor in the production of works of art.
- Students will demonstrate visual literacy and critical thinking skills by evaluating diverse scholarly perspectives when interpreting works of art.
- Students will investigate different techniques utilized in the production of works of art through written analysis based on firsthand evaluation of original art objects.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ARTS 2B

History of Art: Europe During the Middle Ages and the Renaissance

4.0 Units

This course introduces the discipline of art history through an analysis of images, objects, and works of architecture produced from approximately 600 through 1600 C.E., including discussion of Islamic and European cultures during the Middle Ages, and the art of the Renaissance (including Mannerism) in northern and southern Europe.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Students will analyze the social experiences of artists, demonstrating how artists' relationships with their patrons was a defining factor in the production of works of art.
- Students will demonstrate visual literacy and critical thinking skills by evaluating diverse scholarly perspectives when interpreting of works of art.
- Students will investigate different techniques utilized in the production of works of art through written analysis based on firsthand evaluation of original art objects.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ARTS 2C

History of Art: Europe from the Baroque Period Through Impressionism

4.0 Units

This course is an introduction to the discipline of art history through an analysis of images, objects, and works of architecture produced in Europe from c. 1600 through the 1880s, including a discussion of northern and southern European cultures.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Students will analyze the social experiences of artists, demonstrating how artists' relationships with their patrons was a defining factor in the production of works of art.
- Students will demonstrate visual literacy and critical thinking skills by evaluating diverse scholarly perspectives when interpreting of works of art.
- Students will investigate different techniques utilized in the production of works of art through written analysis based on firsthand evaluation of original art objects.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ARTS 2D

History of Art: Europe and the United States from Post-Impressionism to the Present

4.0 Units

This course is an introduction to the discipline of art history through an analysis of images, objects, and works of architecture produced from the 1880s to the present by a diverse range of artists in Europe and the United States.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Students will analyze the social experiences of artists, demonstrating how arists' relationships with their patrons was a defining factor in the production of works of art.
- Students will demonstrate visual literacy and critical thinking skills by evaluating diverse scholarly perspectives when interpreting of works of art.
- Students will investigate different techniques utilized in the production of works of art through written analysis based on firsthand evaluation of original art objects.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ARTS 2F

History of Art (Multicultural Arts in the United States)

4.0 Units

This is a cross-cultural introduction to American art history, with an interdisciplinary analysis of diverse art forms generated by artists of color, including African Americans, Asian Americans, Native Americans, Latinx/Chicanx, and Americans of non-European heritage. Significant attention will be given to topics considered important by each ethnicity or group, as well as issues related to racism, gender, social class, and contemporary social and political awareness. Traditions, values, and cultural expressions of diverse societies and their contributions to American visual culture are explored. Emphasis is placed upon the visual arts as a source of student empowerment, self-determination, decolonization and liberation in support of equity, and diversity, in anti-racist work and through civic engagement and activism.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(CETH D013. was formerly ICS D005.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Students will demonstrate critical analysis based upon social constructs of race, class, ethnicity, gender and other factors of identity to gain cultural competence in a local, national and global context.
- Students will identify, examine and authenticate the values, experiences and cultural contributions of marginalized populations in the United States.
- Students will critically analyze and evaluate diverse scholarly perspectives in Multicultural art history.
- Students will apply skills demonstrating their abilities to analyze artworks on the basis of social, cultural, political, economic and/or ethnic contexts and issues relevant to gender studies.
- Students will demonstrate critical thinking and visual literacy skills through oral communication.
- Students will write a research paper utilizing her or his ability to analyze, evaluate and synthesize primary and secondary sources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ARTS 2G

History of Art: Arts of Asia

4.0 Units

This is a general introduction to art through major Asian artistic traditions. The course focuses on paintings, sculptures, ceramics, and architecture and their religious, cultural, historical, and social contexts. It will examine arts from China, Japan, India, Central Asia, Himalayas, and Southeast Asia and assesses the contributions of Asian art in a global context.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(ASAM D040. was formerly INTL D010.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Investigate and validate the artistic contributions of Asian cultures, critically comparing these contributions from diverse peoples of Asia.
- Develop an increased awareness and appreciation for diverse worldviews and artistic expressions, while critiquing misconceptions and stereotypes and assessing the relevancy of traditional Asian art forms in a current global context.
- Analyze, evaluate, and synthesize diverse scholarly perspectives in Asian art history.
- Apply skills demonstrating their abilities to analyze artworks on the basis of social, cultural, political, economic and/or ethnic contexts and issues relevant to gender studies.
- Demonstrate critical thinking and visual literacy skills through oral and written communications.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ARTS 2H

History of Art: Native Arts of Mesoamerica and the Andes

4.0 Units

A general introduction to the visual arts of the indigenous cultures of Mesoamerica, an area extending from northern Mexico through Central America, and the Andean region of South America. This course covers diverse art forms, including architecture, ceramics, weaving, painting and sculpture from antiquity to the present with emphasis upon the Pre-Columbian past. Topics addressing the religious, cultural, social, economic and political contexts of the art will be explored. Compares indigenous arts of the Americas to other world art traditions and assesses the contributions of indigenous cultures in a global context.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Investigate and validate the artistic contributions of Mesoamerican and Andean cultures, critically comparing these contributions from diverse indigenous peoples of the Americas.
- Develop an increased awareness and appreciation for diverse worldviews and artistic expressions, while critiquing misconceptions and stereotypes and assessing the relevancy of traditional Mesoamerican and Andean art forms in a current global context.
- Critically analyze and evaluate diverse scholarly perspectives in Mesoamerican and Andean art history.
- Apply skills demonstrating their abilities to analyze artworks on the basis of social, cultural, political, economic and/or ethnic contexts and issues relevant to gender studies.
- Demonstrate critical thinking and visual literacy skills through oral communication.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ARTS 2J

History of Art: Arts of Africa, Oceania and Native North America

4.0 Units

A general introduction to some of the many indigenous art traditions around the world, with emphasis placed upon traditional arts created for use in small-scale communities from the Americas, South Pacific region and Africa. Diverse art forms covered will include sculpture, painting, performance, ceramics, textiles and architecture from antiquity through the colonial period to the present. Topics addressing the religious, cultural, social, economic,and political contexts of the art, as well as the impact of colonialism and representations of indigenous arts in museums, will be explored. Compares arts from indigenous peoples to other world art traditions and assesses the contributions of indigenous arts in a global context.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Students will investigate and validate the artistic contributions of indigenous cultures from around the world, critically comparing these contributions from diverse indigenous peoples.
- Students will develop an increased awareness and appreciation for diverse worldviews and artistic expressions, while critiquing misconceptions and stereotypes and assessing the relevancy of traditional indigenous art forms in a current global context.
- Students will critically analyze and evaluate diverse scholarly perspectives addressing indigenous arts and cultures.
- Students will demonstrate their abilities to analyze artworks on the basis of social, cultural, political, economic and/or ethnic contexts and issues relevant to gender studies.
- Students will demonstrate critical thinking and visual literacy skills through oral communication.
- Students will write a research paper utilizing her or his ability to analyze, evaluate and synthesize primary and secondary sources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ARTS 3TC

Women and Art

4.0 Units

This course examines the history of women in relation to society and the visual arts from prehistory to the present, across a range of cultures. Obstacles faced by women artists are explored, as well as contributions made by women artists, and art in which women serve as subject matter.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability

Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Students will analyze the social experiences of artists, demonstrating how artists' relationships with their patrons was a defining factor in the production of works of art.
- Students will demonstrate visual literacy and critical thinking skills by evaluating diverse scholarly perspectives when interpreting of works of art.
- Students will investigate different techniques utilized in the production of works of art through written analysis based on firsthand evaluation of original art objects.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ARTS 3TE
Today's Art Scene

4.0 Units

This course focuses on the issues and challenges facing today's working artists. Topics include the roots of international contemporary art, technological influences on current art practices, and the essential components for assembling a dynamic portfolio presentation.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Develop concepts related to course material in Arts 3TE through various projects as well as written assignments.
- Apply critical thinking skills when critiquing projects from a global perspective.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ARTS 4A
Beginning Drawing

4.0 Units

This is an introductory course exploring the basic elements and principles of observational drawing, using traditional and experimental media.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Drawing Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Drawing

Student Learning Outcomes

- Demonstrate freehand drawing skills using a variety of traditional drawing media such as charcoal, graphite and ink.
- Create representational, objective drawings using references such as drawing from observation (still-life) and photographs.
- Demonstrate the ability to create drawing compositions based on linear perspective, the basic elements and principles of design.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 4B
Intermediate Drawing

4.0 Units

This is an intermediate drawing course focusing on the creative interpretation of subject matter utilizing a variety of experimental, as well as traditional, techniques and media.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 4A

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
ARTS 8

Repeatability
(This course is included in the Drawing Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Drawing

Student Learning Outcomes

- Demonstrate freehand drawing skills using a variety of techniques with a variety of drawing media including color media such as colored pencils and pastels.
- Create imaginative, expressive drawings that show the student's point of view and an understanding of the creative process.
- Demonstrate the use of color as both an element of design and concept.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 4C
Life Drawing

4.0 Units

This is the beginning drawing course that focuses on the representation and interpretation of the human figure; with attention to drawing from life.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 4A

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
ARTS 8

Repeatability
(This course is included in the Figure Drawing Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Figure

Student Learning Outcomes
- Reproduce the human figure using a variety of drawing techniques using a variety of media including charcoal, graphite, ink, or conte crayon.
- Create drawings that show an understanding of basic human anatomy and proportion.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 4D
Representational Drawing

4.0 Units

This intermediate-level drawing course emphasizes observation and depiction of volume and perspective in a variety of drawing media.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 4A

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
ARTS 8

Repeatability
(This course is included in the Drawing Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Drawing

Student Learning Outcomes
- Demonstrate drawing fundamentals as they relate to two and three dimensional space.
- Utilize critical thinking skills in their understanding of various drawing aesthetics, techniques and histories.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 8
Two-Dimensional Design

4.0 Units

This is a foundation course in the use of fundamental design elements and principles for two-dimensional art.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Utilize critique skills to evaluate and analyze works of art for cultural/historical influences, strengths and areas for improvement.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 10A
Three-Dimensional Design

4.0 Units

This is an introduction to design elements and principles as they apply to three-dimensional space and form. The course covers idea explorations in various media including wire, clay, plaster, paper, wood, metals, and found objects.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Apply knowledge of basic elements and principles of design and use various basic materials appropriate to three-dimensional work.
- Apply critical thinking, problem solving and analytical skills through idea exploration.
- Learn basic hand and power tools appropriate for each assignment.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 10B
Intermediate Three-Dimensional Design

4.0 Units

This course is a further exploration of three-dimensional design, focusing on individual projects. Subjects include the use of various materials including wood, metals, plastic sheet, and resin, and an introduction to mold making and casting.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 10A

Student Learning Outcomes
- Apply an advanced level of elements and design principles to formulate an in-depth, personal and concise visual statement.
- Construct an individually advanced project focusing on specific materials appropriate to a more involved three-dimensional concept.
- Develop enhanced critical thinking and problem solving skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 12
Design and Color

4.0 Units

This is a fundamental course that explores theory and color in the visual arts.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 8

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Utilize critique skills to evaluate and analyze works of art for cultural/historical influences, strengths and areas for improvement.
- Explore the formal, conceptual, and emotional qualities of color as they relate to the elements and principles of design.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 14A
Watercolor Painting I

4.0 Units

This course is a comprehensive introduction to transparent watercolor painting with an emphasis on basic techniques.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Watercolor Painting Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Watercolor Painting

Student Learning Outcomes
- Communicate and express ideas creatively in watercolor painting while demonstrating and applying techniques of the creative process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 14B
Watercolor Painting II

4.0 Units

This course is a continuation of ARTS 014A with further emphasis on basic transparent watercolor techniques that relate to the unusual characteristics of the medium, including the use of watercolor pencils.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 14A

Repeatability
(This course is included in the Watercolor Painting Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Watercolor Painting

Student Learning Outcomes
- Reproduce watercolor painting techniques to create a variety of paintings that draw from an objective point of view using still-lifes and photographs as well as from the imagination.
- Create paintings that explore a range of color as well as technical and conceptual variations in their artwork and demonstrate an understanding of the creative process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 14C
Watercolor Painting III

4.0 Units

This course is a continuation of ARTS 014B with an emphasis on transparent and opaque watercolor techniques. Class assignments will explore the aesthetic concerns of developing styles, ideas, content, and self-expression within the watercolor medium.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 14B

Repeatability
(This course is included in the Watercolor Painting Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Watercolor Painting

Student Learning Outcomes
- Reproduce advanced watercolor painting techniques to create a variety of paintings that draw from an objective point of view using still-lifes and photographs as well as from the imagination.
- Create a series of paintings that explore a range of color as well as a technical and conceptual theme uniting their artwork and demonstrating a mastery of painting technique and an understanding of the creative process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 15A
Acrylic Painting I

4.0 Units

This is an introductory course in acrylic painting with an emphasis on basic techniques in both traditional and contemporary techniques that relate to the unusual characteristics of the medium.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 4A

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Acrylic Painting Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Acrylic Painting

Student Learning Outcomes
- Produce basic acrylic painting techniques to create a variety of paintings that draw from an objective point of view using still-lifes and photographs as well as from the imagination.
- Demonstrate an understanding of the creative process from preliminary sketches to a final painting.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 15B
Acrylic Painting II

4.0 Units

This course is a continuation of ARTS 015A with further emphasis on basic techniques that relate to the unusual characteristics of the medium. Surfaces other than canvas will be introduced allowing for more varied results.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 15A

Repeatability
(This course is included in the Acrylic Painting Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Acrylic Painting

Student Learning Outcomes
- Produce advanced acrylic painting techniques to create a variety of paintings that draw

from an objective point of view using still-lifes and photographs as well as from the imagination.
- Demonstrate an advanced understanding of the creative process beginning with preliminary sketches to the final painting.
- Create acrylic paintings that explore an advanced range of color as well as technical and conceptual variations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 15C
Acrylic Painting III

4.0 Units

This course is a continuation of ARTS 015B with an emphasis on processes rather than techniques. Problems in class will relate to the aesthetic concerns of idea, content, and expression within the acrylic medium.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 15B

Repeatability
(This course is included in the Acrylic Painting Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Acrylic Painting

Student Learning Outcomes
- Produce advanced acrylic painting techniques to create a variety of paintings that draw from an objective point of view using still-lifes and photographs as well as from the imagination. This will include the development of an original body of work.
- Demonstrate an advanced understanding of the creative process in the development of an original body of work.
- Execute a series of paintings that explores a range of color theories as well as a technical and conceptual theme uniting their artwork.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 16A
Oil Painting I

4.0 Units

This is an introductory oil painting course that explores the application of the medium as it relates to the production of artwork through the translation of visual information, along with examining that preparation, concept, and craft are fundamental as applied to aesthetic concerns.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 4A

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Oil Painting Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Oil Painting

Student Learning Outcomes
- Develop and utilize critical thinking skills in the understanding of oil paintings from several time periods,including aesthetically, technically, and philosophically.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 16B
Oil Painting II

4.0 Units

This course is a continuation of ARTS 016A with further emphasis on basic techniques that relate to the unusual characteristics of the medium. Conceptual studies, color theory, and aesthetics are primary concerns. Surfaces other than canvas will be required.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 16A

Repeatability
(This course is included in the Oil Painting Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Oil Painting

Student Learning Outcomes
- Construct rigid and flexible supports for oil paint media.
- Apply more advanced techniques with various brushes and advanced color theories relating to the oil painting process

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 16C

Oil Painting III

4.0 Units

This course is a continuation of ARTS 016B with an emphasis on processes rather than techniques. Primary concerns include shaped canvasses, glazing techniques, ideas, expression, and aesthetics relating to the oil medium.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 16B

Repeatability
(This course is included in the Oil Painting Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Oil Painting

Student Learning Outcomes
- Apply advanced color theories relating to a personal body of work.
- Demonstrate aesthetic growth through decision making processes related to an original body of work.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 18A

Ceramics

4.0 Units

This course is an introduction to ceramics materials, concepts, and processes including basic design principles, creative development, hand-building, throwing, glaze techniques, firing, and ceramic terminology. Aesthetics and creative development of clay objects examining historical, contemporary, and personal modes of expression across cultures will be covered.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Ceramic Handbuilding Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Ceramic Handbuilding

Student Learning Outcomes
- Demonstrate competency in basic construction techniques.
- Demonstrate competency in glaze application.
- Illustrate basic ceramic terminology.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 18B

Ceramics (Beginning Wheel Throwing)

4.0 Units

This course provides students with beginning techniques of throwing on the potter's wheel, along with forming, shaping, trimming, and decorating basic wheel-thrown pieces. Students will use the stoneware firing techniques and processes taught in Ceramics (ARTS 018A).

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 18A

Repeatability
(This course is included in the Ceramic Wheel Throwing Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Ceramic Wheel Throwing

Student Learning Outcomes
- Demonstrate competency in basic wheel throwing techniques including centering, opening, pulling, shaping and trimming. Students will also demonstrate proper construction techniques when joining parts to their wheel thrown projects.
- Demonstrate competency in designing and finishing their work with high fire glazes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 18C

Ceramics (Intermediate Wheel Throwing)

4.0 Units

This course provides students with intermediate techniques of throwing on the potter's wheel, as well as forming, shaping, trimming, and surface development of intermediate wheel-thrown pieces. Students will build upon throwing techniques and processes in Ceramics (Beginning Wheel Throwing), ARTS 018B.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 18B

Repeatability
(This course is included in the Ceramic Wheel Throwing Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Ceramic Wheel Throwing

Student Learning Outcomes
- Demonstrate competency in intermediate wheel throwing techniques including centering, opening, pulling, shaping and trimming. Students will also demonstrate proper construction techniques when joining parts of intermediate pottery forms.
- Demonstrate competency in finishing their work with intermediate high fire glazes and surface techniques while incorporating basic design principles into their objects.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 18D
Ceramics Hand Building

4.0 Units

This ceramic construction techniques course teaches students the use of pinch, coil, and slab processes. Students will use a variety of clay bodies and various firing techniques associated with functional and non-functional ceramic work.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 18A

Repeatability
(This course is included in the Ceramic Hand Building Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Ceramic Handbuilding

Student Learning Outcomes
- Demonstrate competency in hand construction techniques; pinch, coil, slab.
- Demonstrate competency in glaze and slip application.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 18E
Ceramics (Advanced Wheel Throwing)

4.0 Units

This course provides students with advanced techniques of throwing on the potter's wheel, as well as an introduction to combined forms and developing the vessel as an aesthetic object. Students will learn the development of shapes, functions, and individual expressions with clay.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 18C

Repeatability
(This course is included in the Ceramic Wheel Throwing Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Ceramic Wheel Throwing

Student Learning Outcomes
- Demonstrate competency in advanced wheel throwing techniques including centering, opening, pulling, shaping and trimming. Students will also demonstrate advanced levels of repetition with wheel forming.
- Demonstrate competency in finishing their work with advanced high fire glazes and surface techniques while incorporating advanced design principles into their objects.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 19H
Ceramics Raku

4.0 Units

Historical development, firing techniques, glaze, kilns and clay-bodies, for the Raku ceramic process.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 18A

Repeatability
(This course is included in the Ceramic Surface Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Ceramic Surface

Student Learning Outcomes
- Demonstrate competency in contemporary raku firing technique; post firing smoking, patina development and development of surface refinement.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0

Total	72.0	**Total**	72.0

ARTS 19J

Ceramics Techniques

4.0 Units

Techniques of hand building and wheel construction combined: experimental glazing and texturing treatments.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 18B

Repeatability
(This course is included in the Ceramic Surface Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Ceramic Surface

Student Learning Outcomes
- Demonstrate competency in a variety of ceramic surface techniques.
- Demonstrate competency in combining ceramic construction and surface techniques within the same ceramic form.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 19K

Ceramics Decoration

4.0 Units

Surface treatments and refinement used in the production of stoneware, earthenware and porcelain.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 18A

Repeatability
(This course is included in the Ceramic Surface Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Ceramic Surface

Student Learning Outcomes
- Demonstrate competency in a variety of ceramic surface decoration techniques techniques; oxide, slip, luster, china paint, carving.
- Demonstrate competency in a variety of ceramic surface decoration techniques developed in the firing; pit, raku, soda, wood.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 19M

Ceramics Low Fire

4.0 Units

Survey of earthenware as a ceramic material. Use of surface decoration, glazes and ceramic kiln firing.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 18A

Repeatability
(This course is included in the Ceramic Surface Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Ceramic Surface

Student Learning Outcomes
- Demonstrate competency in selecting low fire materials and incorporating them into ceramic work.
- Identify low fired ceramic work from a variety of cultures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 20

Ceramics Individual Laboratory

2.0 Units

This is a supervised course in the use of ceramic studio equipment for independent skill development; hand building, wheel throwing, and kiln firing.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 18D or ARTS 18E

Repeatability
(This course is included in the Ceramic Hand Building Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Ceramic Handbuilding

Student Learning Outcomes
- Demonstrate competency in using the ceramic studio equipment.
- Demonstrate competency in working individually on projects developed with the instructor.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

ARTS 37A
Sculpture

4.0 Units

This is a beginning sculpture course with an emphasis on idea development, visual investigation, and the sculpture-making process, including construction, carving, casting, and mixed media.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Advisory(ies)
ARTS 10A

Repeatability
(This course is included in the Sculpture Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Sculpture

Student Learning Outcomes
- Use a variety of materials effectively and safely. Use basic hand and power tools properly and safely which apply to the sculpture making process.
- Develop and apply a personal and concise visual statement which represents a specific concept in a sculptural format. Place an emphasis on idea development and visual investigation.
- Practice critical thinking and problem solving skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 37B
Intermediate Sculpture

4.0 Units

This is an intermediate sculpture course with emphasis on further formulation of idea development, visual investigation, and the sculpture-making process. Additional materials and processes will be examined.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 37A

Repeatability
(This course is included in the Sculpture Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Sculpture

Student Learning Outcomes
- Develop conceptual and technical skills through visual investigation and the making process.
- Strengthen critical thinking and problem solving skills.
- Develop a personal and concise visual statement which represents specific concepts in a sculptural format.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 37C
Advanced Sculpture

4.0 Units

This course covers advanced idea development, visual investigation and the sculpture-making process. Additional materials and processes will be examined and demonstrated.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ARTS 37B

Repeatability
(This course is included in the Sculpture Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Sculpture

Student Learning Outcomes
- Develop technical and conceptual mastery through visual investigation and the sculpture making process on an advanced level.
- Practice critical thinking and problem solving skills.
- Employ materials appropriate to advanced sculptural work.
- Apply a knowledge of both safe an proper use of all shop tools.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0

Total	72.0	**Total**	72.0

ARTS 53

Introduction to Graphic Design: Vector Illustration

4.0 Units

This is a survey course for artists and designers, using digital software as a medium of artistic expression, and is an introduction of the fundamental concepts, practices, and theories of digital art and illustration production. Student projects will explore the creative and artistic potential of introductory software and experience how each one relates to today's artistic and digital media environment. Topics will include the integration of traditional design, color, and compositional principles with contemporary digital tools. Introductory use of Adobe Illustrator and Adobe InDesign.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate basic skills of professional software/hardware currently used by Graphic Designers and fine artists.
- Demonstrate a basic knowledge of digital terminology currently used by professional Graphic Designers and fine artists.
- Exhibit a critical understanding of performance of the design process through directed laboratory discussions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 54

Introduction to Graphic Design: Digital Imaging

4.0 Units

This is an introductory course in the use of art and design software for the computer, with an emphasis on the digital imaging creative process and the computer as a tool used by artists and designers today. Software used are Adobe Photoshop and Adobe After Effects.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly ARTS D053B.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Develop an awareness of graphic design software, new media tools, and digital imaging as an effective and important mode of graphic design visual communication used by artists and designers today.
- Demonstrate the creative potential of art and design software through directed laboratory exercises.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 55A

Graphic Design-Communication I

4.0 Units

The analysis and interpretation of the elements and principles of design as applied to the practice of graphic design and visual communication. Emphasis on the design process from visualization to production. Software used includes Adobe Photoshop, Adobe Illustrator and Adobe InDesign.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ARTS 53 or ARTS 54 or instructor approval

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- The student will explore the analysis and interpretation of the elements and principles of graphic design as applied to the practice of visual communication.
- The student will demonstrate an understanding of the design process through directed laboratory exercises.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 55B

Graphic Design-Communication II

4.0 Units

Continuation of the analysis and interpretation of the elements and principles of design as applied to the practice of graphic design and visual communication. Emphasis on the design process from visualization to production techniques. Software used includes Adobe Photoshop, Adobe Illustrator and Adobe InDesign.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ARTS 55A or instructor approval

Student Learning Outcomes
- The student will further develop the analysis and interpretation of the elements and principles of graphic design as applied to the practice of visual communication.
- The student will further demonstrate an understanding of the design process through directed laboratory exercises.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 55C
Graphic Design-Communication III: Production Techniques

4.0 Units

Intermediate course in the preparation of art for reproduction on the printed page, interactive media, and the World Wide Web. Emphasis is placed on specific studio procedures as well as computer production alternatives used by professionals in the field of graphic design. Software used includes Adobe Photoshop, Adobe Illustrator, Adobe InDesign and Adobe Flash.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ARTS 55B or instructor approval

Student Learning Outcomes
- The student will explore the analysis and interpretation of the elements and principles of graphic design as applied to the practice of visual communication and current graphic production techniques.
- The student will demonstrate an understanding of the design process and current graphic production techniques through directed laboratory exercises.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 56
Graphic Design: Page Layout for Digital Publishing

4.0 Units

Analysis and interpretation of the elements and principles of design as applied to the practice of publication design. Emphasis on the design process as it relates to the use of the computer to create type and image in electronic publishing. Primary software presented is Adobe InDesign. Other programs used are Adobe Photoshop and Adobe Illustrator.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ARTS 53

Advisory(ies)
ARTS 55A

Student Learning Outcomes
- The student will exhibit an understanding of the elements and principles of graphic design as applied to the practice of publication design.
- The student will demonstrate an advanced understanding of the design process as it relates to the use of the computer to create typography and image in electronic publishing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 57
Graphic Design-Communication: Typography

4.0 Units

Interpretation of the elements and principles of design as applied to the use of typography in graphic design. Emphasis on the integration and selection of letter forms and type styles as they relate to the production for the printed page, multimedia design and the World Wide Web. Software used includes Adobe Photoshop, Adobe Illustrator and Adobe InDesign.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
ARTS 53

Student Learning Outcomes
- The student will use typographic design to demonstrate a knowledge of the elements and principles of design, organization of design elements, materials and forms of communication.
- The students will analyze styles in typographic design, type selection, and type specification, in relation to new computer technology and the World Wide Web.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 58A
Furniture Design

4.0 Units

Beginning furniture design with emphasis on developing basic skills in design, construction and craftsmanship.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Advisory(ies)
ARTS 10A

Repeatability
(This course is included in the Industrial Design Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Industrial Design

Student Learning Outcomes
- The students will define a fundamental understanding of design within the parameters of furniture construction.
- The student will practice basic woodworking skills and techniques.
- The student will apply critical thinking skills and problem solving skills while creating projects.
- The student will demonstrate proper safety procedures using appropriate tools and machinery.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 58B
Intermediate Furniture Design

4.0 Units

Intermediate furniture design, with an emphasis on a broader range of skills in design, construction and craftsmanship.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ARTS 58A

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Repeatability
(This course is included in the Industrial Design Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Industrial Design

Student Learning Outcomes
- The student will practice intermediate skills of woodworking techniques and produce a work of art furniture.
- The student will demonstrate proper safety procedures when using tools and machinery.
- The student will apply critical thinking and problem solving skills, while utilizing a further understanding of the process of creating a piece of furniture.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 58C
Advanced Furniture Design

4.0 Units

Advanced furniture design, with an emphasis on individual projects and further development on skills in design, construction and craftsmanship.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ARTS 58B

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Repeatability
(This course is included in the Industrial Design Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Industrial Design

Student Learning Outcomes
- The student will demonstrate a thorough command of design within the parameters of furniture construction.
- The student will integrate advanced skills of woodworking and metal working techniques to produce a work of art furniture and demonstrate proper safety procedures when using tools and machinery.
- The student will apply critical thinking and problem solving skills to a more advanced approach to the design of art furniture.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 63
Graphic Design: Portfolio and Business Practices

4.0 Units

This course is an introduction to the range of business practices used by artists and designers in the visual communications industry, with an emphasis on legal rights and issues as they relate to the professional artist/client relationship. Topics will include pricing and marketing, salaries and trade customs, standard contracts, and current art and design technology issues. Students will create portfolio materials for self promotion.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ARTS 53

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
ARTS 54

Student Learning Outcomes
- Understand the range of business practices used by artists and designers in the visual

communications industry today.
- Demonstrate through directed laboratory exercises, recognize pricing and marketing, salaries and trade customs, standard contracts, and new technology issues.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 65
Graphic Design: UI/UX and the World Wide Web

4.0 Units

Hands-on Web page design fundamentals with an emphasis on the creative integration of type and image as related to the World Wide Web. Topics will include: navigation software, site content and organization, site layout, scanning and importing imagery, file formats, grids, white space, visual hierarchy, corporate identity/branding and typography issues. The primary software programs used are Adobe Photoshop CS and Adobe Illustrator CS.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ARTS 53 or ARTS 54

Student Learning Outcomes
- The student will demonstrate an understanding of web page design fundamentals with an emphasis on the creative integration of typography and image.
- The student will demonstrate an understanding of the technical issues that impact design decisions.
- The student will demonstrate a basic knowledge of the terms and vocabulary associated with web design.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 70
Viewing Bay Area Art Museums and Galleries

1.0 Units

Designed to develop skills in an art gallery/museum viewing and critical analysis of content of exhibits, collections and/or lectures.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Arts - Professional Practice Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Arts-Professional Practice

Student Learning Outcomes
- View and compare and contrast art exhibitions as it relates to cultural, aesthetic, intellectual, ethical concerns as an art gallery/museum, artist and/or public.
- Demonstrate a working knowledge of visual and critical analysis of art exhibitions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

ARTS 71
Gallery and Exhibition Design

4.0 Units

The practical experience in all aspects of exhibition design and installation of art exhibits in galleries and museums. Emphasis on design theory and the evaluation and analysis of the communicative, cultural, aesthetic, technical factors involved in the production of exhibits.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Advisory(ies)
ARTS 4A or ARTS 8

Repeatability
(This course is included in the Arts - Professional Practice Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Arts-Professional Practice

Student Learning Outcomes
- Apply a working knowledge of gallery design, gallery procedures and practices as it relates to exhibitions.
- Demonstrate an understanding of visual and critical analysis of exhibition design.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 72

Internship in Art

1.0 Units

Directed professional experience in art museums/galleries, art businesses, and art in schools programs in the Bay Area that emphasize the application of skills and knowledge obtained in Gallery and Exhibition Design (ARTS D071.), Beginning Drawing (ARTS D004A), Two-Dimensional Design (ARTS D008.), and Three-Dimensional Design (ARTS D010A).

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Advisory(ies)
ARTS 1A, D004A, D008., D010A and D071.

Repeatability
(This course is included in the Arts - Professional Practice Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Arts-Professional Practice

Student Learning Outcomes
- Develop an understanding of general museum exhibition skills and concepts and demonstrate those skills by direct working experience in a variety of tasks relating to museum/gallery operations.
- Develop an understanding of arts in schools and community outreach skills and concepts and demonstrate those skills by direct working experience in art classes for children and youth and tasks related to community outreach.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

ARTS 85
Graphic Design: Motion Graphics

4.0 Units

The analysis and interpretation of the art and design involved in the production of graphic design to be viewed in non-print media (film, CRT and LCD screens). The creative integration of "type" and "image" in motion is stressed through the use of directed laboratory exercises. Primary software presented is Adobe After Effects. Other software used includes Adobe Photoshop, Adobe Illustrator and Adobe Flash.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ARTS 53 or ARTS 54

Student Learning Outcomes
- The student will design typography and images using motion as a creative design element.
- The student will gain familiarity with software options that relates to current electronic media delivery platforms.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ARTS 86
Graphic Design: Digital Illustration Techniques

4.0 Units

Introduction to industry standard software related to the creation and implementation of computer generated illustration. Emphasis is placed on verbal visual relationships and the integration of type and image in contemporary illustration. Topics will include: illustration software options, concept and problem solving, style and personal expression, packaging illustration, charts/diagrams/graphs, and 3D illustration dynamics. The primary software program presented is Adobe Illustrator CS. Adobe Photoshop CS will also be used.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ARTS 53

Student Learning Outcomes
- The student will illustrate a higher level of ability with vector software in the creation and implementation of computer generated illustration with an emphasis on style and personal expression.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ASAM 1
Asian American Experiences Past to Present

4.0 Units

This course is an introduction to Asian American Studies and an exploration of Asian American experiences from the 19th century examining processes and consequences of racialization with an intersectional framework. The experiences of Chinese Americans, Vietnamese Americans, Filipino Americans, Indian Americans, Japanese Americans, Korean Americans, as well as other Asian American groups, will be examined. Issues such as how Asian Americans respond to social inequity, the challenges of making a living, and the changing perspectives from immigrant to American-born generations will be highlighted.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ICS D020.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Analyze and discuss significant issues and events in Asian American history.
- Research a significant issue related to Asian American history or contemporary community.
- Engage in an Asian Pacific American community-related activity.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ASAM 10
Contemporary Asian American Communities

4.0 Units

This course is an introduction to Asian American Studies and an exploration of the experiences of various Asian cultural groups in America. The commonalities and uniqueness of Chinese Americans, Vietnamese Americans, Filipino Americans, Indian Americans, Japanese Americans, Korean Americans, as well as other Asian American groups, will be examined with a focus on processes and consequences of racialization. New perspectives on such issues as historical legacies, stereotypes and profiling, cultural identity, generational change, occupational challenges, community advocacy, and empowerment will be gained.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ICS D022.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Analyze significant issues and events in the contemporary Asian American Pacific Islander community, with an awareness of Asian American history.
- Research a significant issue related to contemporary Asian American Pacific Islander community.
- Engage in Asian American Pacific Islander community-related activity.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ASAM 11
Asian Americans and Racism

4.0 Units

This ethnic studies course focuses on the status and experiences of Asian Americans in U.S. history and in contemporary times to analyze the concept of race, processes of racialization, theories of racism, forms of racial subordination, and the practices of anti-racism. Using a framework of racial relationality, the course explores the dynamics of anti-blackness and white dominance in the imaginative and institutional formations of Asian America. Key themes include labor and global capitalism, Orientalism and imperialism, immigration and exclusion, gender and sexuality, citizenship and nation, "good"/"bad" minorities, and assimilationist thinking.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Analyze and articulate the concepts of race, racialization, racism, and anti-racism in relation to class, gender, sexuality, religion, national origin, immigrant status, citizenship, and/or language as assessed by Asian American Studies through contemporary case studies involving Asian Americans.
- Describe and actively engage with an anti-racist issue, practice, and/or movement through community involvement and/or participant observation, and primary and secondary source research to critically review the structural conditions, the possibilities, and the constraints of Asian Americanist struggle for a just and equitable society.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ASAM 12
Asian Americans and American Ideals, Institutions and Politics

4.0 Units

A survey of the historical and contemporary political experiences of Asian Americans and their pursuits for immigration, equality, citizenship, political identity, racial justice, homeland independence, cross-racial/ethnic coalition-building and incorporation into the U.S. political system will be covered in this course.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Analyze and discuss significant issues and events in Asian American history, politics and policy.
- Research a significant issue related to Asian Americans and government and politics.
- Awareness and engagement through an Asian Pacific American community and politics activity.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ASAM 13

Asian Americans and Asia

4.0 Units

This course examines how the relationship between the U.S. and Asia has shaped the experiences of Asians in the U.S. and the racial formation of Asian Americans. The course focuses on war and militarism, international political and economic relations, and globalization to analyze their impact on migration, racial politics, economic practices, identity, community formation, sexuality and activism among Asians in the U.S. The course explores historical and contemporary examples from the 19th century to the present to assess efforts by Asian Americans for self-determination in a transnational context.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Analyze historical and/or contemporary political economic linkages between the U.S. and Asia and how they have shaped the experiences and identities of Asians in the U.S.
- Evaluate the ways Asians in the U.S. have engaged in global relations between the U.S. and Asia to shape the creation and flows of goods, ideas, and/or cultures.
- Complete a project utilizing critical analysis, research, and writing skills to assess the relationship between the U.S. and Asia and its impact on on an issue that significantly affects an Asian American population.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ASAM 20

Asian Pacific American Literature

4.0 Units

This course is an introduction to Asian Pacific American literature. Through readings in twentieth and twenty-first century works, students will explore and analyze issues related to complexities of identity as it relates to class, gender, mixed heritages, and sexuality; politics and the history of Asian American activism and resistance to cultural marginalization; and diversity of cultures and experiences within the Asian Pacific American community.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(ASAM D020. was formerly ICS D024.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Identify multiple cultural and historical issues pertaining to Asian Pacific Americans in literature.
- Analyze issues pertaining to race, class, sexuality and/or gender in relation to Asian Pacific American communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ASAM 21

Asian Pacific Americans Make Culture

4.0 Units

This course will survey and analyze Asian American and Pacific Islander (AAPI) media, which includes media that both represent AAPIs and are produced by AAPIs within a US context. It explores the politics, economics, and competing ideologies of cultural representation among the AAPI community. This interdisciplinary course will cover a wide variety of media, such as film, television, music, literature, journalism, digital media, fine art, comics, and illustration.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Examine the history, politics, and economics of the culture industry as it pertains to AAPI representation through readings, discussions, videos and written assignments.
- Analyze visual and media literacy using critical thinking skills by way of discussions, videos and assignments.
- Utilize skills of textual analysis and evaluate and synthesize primary and secondary resources culminating in a research project.
- Learn, identify and apply theories from critical race, gender, and ethnic studies through readings, discussions, videos and written assignments.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ASAM 22

Asian American Pacific Islander Women

4.0 Units

An introduction to the study of Asian American Pacific Islander (AAPI) women in American society in historical and sociological perspective. Emphasis is placed on AAPI feminist scholarship; cultural representations; cultural productions; immigration, refugee, and diasporic experiences; resistance to racism, sexism, classism, and patriarchy; and labor and work issues. This course is designed for all students interested in Women and Gender Studies, as well as those interested in Asian American Studies.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Be familiar with the experiences, history, labor, and productions and contributions of women of AAPI descent within the wider American history and Women's Movement, and through the critical lens of contemporary feminist theory and social justice awareness.
- Define patriarchy; colonization/imperialism; diaspora; multiple oppressions of race, class, and gender; orientalism; forces of globalization and global capitalism; and neocolonialism, and recognize their impacts on AAPI women's history, experiences, identities, and representations.
- Define the concepts and origins of Asian Exclusion Acts; Dragon Lady and Lotus Blossom stereotypes; Yellow Peril; mail order brides and war brides; the reasons for migration and immigration; Family Reunification Act; types of labor with significant contributions by AAPI women; AAPI women's participation in Yellow Power and Third World Liberation Front. Students will also recognize AAPI women's significant art, writings, and other cultural productions, and the effects of colonialism and neocolonialism on AAPI women in the diaspora.
- Research local organizations which support Asian American Pacific Islander women's goals, and engage in community activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ASAM 30
Filipinx American History and Culture

4.0 Units

This introduction to historical and contemporary Filipinx American experiences will survey social, political, and cultural influences through a framework of decolonization. Emphasis will be placed on the role of cultural expression in movements seeking social justice for Filipinx American communities.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability

Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Analyze and compare the patterns of culture and values that have framed the experiences of Filipinx Americans and the broader diaspora.
- Critically analyze the intersection of race and racism as they relate to class, gender, sexuality, religion, spirituality, national origin, immigration status, sovereignty, language, and/or age in Filipinx American communities.
- Analyze concepts such as race and racism, racialization, ethnicity, equity, ethno-centrism, eurocentrism, white supremacy, self-determination, liberation, decolonization, sovereignty, imperialism, settler colonialism, and anti-racism as they are articulated in Filipinx American Studies and Asian American Studies.
- Critically review how struggle, resistance, racial and social justice, solidarity, and liberation, as experienced and enacted by Filipinx Americans are relevant to current and structural political issues such as immigration, settler-colonialism, language policies, and the division of labor at communal, national, international, and transnational scales.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ASAM 32
Vietnamese Literature from Traditional to Asian American Expressions

4.0 Units

This course provides an introduction to the humanities and Asian American Studies through a diasporic perspective on Vietnamese and Vietnamese American literature. Students will explore traditional and modern literature, including exile writings by Vietnamese immigrants leading to Vietnamese American expressions. The course will focus on several major themes in literature: colonization, war and representations of Southeast Asians, and the migration experience. Students will develop a historical and aesthetic understanding of Vietnamese and Vietnamese American creative expressions.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly INTL D011.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Compare and contrast the styles, genres and themes of Vietnamese and Vietnamese American literary expression.
- Interpret and analyze cultural, psychological, and social issues as presented and discussed by Vietnamese and Vietnamese American writers in their creative expressions.
- Select from a variety of Vietnamese American texts to highlight prominent themes within literature of the diaspora.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ASAM 40
History of Art: Arts of Asia

4.0 Units

This is a general introduction to art through major Asian artistic traditions. The course focuses on paintings, sculptures, ceramics, and architecture and their religious, cultural, historical, and social contexts. It will examine arts from China, Japan, India, Central Asia, Himalayas, and Southeast Asia and assesses the contributions of Asian art in a global context.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(ASAM D040. was formerly INTL D010.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Investigate and validate the artistic contributions of Asian cultures, critically comparing these contributions from diverse peoples of Asia.
- Develop an increased awareness and appreciation for diverse worldviews and artistic expressions, while critiquing misconceptions and stereotypes and assessing the relevancy of traditional Asian art forms in a current global context.
- Analyze, evaluate, and synthesize diverse scholarly perspectives in Asian art history.
- Apply skills demonstrating their abilities to analyze artworks on the basis of social, cultural, political, economic and/or ethnic contexts and issues relevant to gender studies.
- Demonstrate critical thinking and visual literacy skills through oral and written communications.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ASAM 41
Introduction to Korean Popular Culture

4.0 Units

This course is an interdisciplinary introduction to contemporary Korean popular culture which explores modern Korean society across a wide range of themes such as identity, gender/sexuality, love/marriage, family and social value systems. It examines the multi-levels of the socio-construction of modern Korean society through TV drama (soap opera), film, and pop music. Also, it explores the unique patterns of Korean culture and Korean cultural issues related to contemporary Asian societies and global issues.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(ASAM D041. was formerly INTL D013.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Identify the impact of social, historical, political contexts on visual and musical expression illustrated in the case of Korean popular culture.
- Analyze the Korean cultural concept of body in terms of gender/ sexuality and the various cultural dimensions of Korean value system through self, love/marriage, and family.
- Evaluate the historical and contemporary relations of power between Western influences and Korean/Asian culture and analyze the circumstances and conditions of the Korean diaspora/emergence of Korean American identity and culture.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ASAM 42A
History of Asian Civilization: China and Japan (to the 19th Century)

4.0 Units

This is an introductory history course exploring the development of Chinese and Japanese civilizations from their origins through the 18th century.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(ASAM D042A was formerly INTL D019A.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Analyze key historical issues in Pre-Modern East Asian History from remote antiquity to 1800 CE.
- Examine and critique a sample of scholarly writing on Pre-Modern East Asian History from remote antiquity to 1800CE.
- Identify and characterize major periods, classifications, and genre of traditional pre-modern East Asian fine arts and material arts, as they have shaped traditional East Asian aesthetics and artistic sensibilities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ASAM 42B
History of Asian Civilization: China and Japan (19th - 21st Centuries)

4.0 Units

This is an introductory history course exploring modern China and Japan from the 19th to the 21st centuries.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(ASAM D042B was formerly INTL D019B.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Analyze key historical issues in Modern East Asian History from the 19th to the 21st century.
- Examine and critique a sample of scholarly writing on Modern East Asian History from the 19th to the 21st century.
- Identify and characterize major periods, classifications, and genre of traditional pre-modern East Asian fine arts and material arts, as they have shaped Modern East Asian aesthetics and artistic sensibilities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ASTR 4
Solar System Astronomy

5.0 Units

This course analyzes the physical principles, logic, and development of solar system astronomy from ancient times through the present. It also examines earth and sky relationships, exploration of the solar system by spacecraft and earth-based methods, similarities and differences between Earth and other planets, theories of the origin of our planetary system, and properties of other stars' planetary systems. The course includes multimedia planetarium demonstrations.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Appraise the benefits to society of planetary research and exploration.
- Compare and contrast the development of planetary systems and of the major panet types, including those factors that have led to Earth's unique characteristics.
- Evaluate astronomical news items or theories concerning solar system astronomy based upon the scientific method.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ASTR 10
Stellar Astronomy

5.0 Units

This course analyzes the physical principles, logic, and development of stellar astronomy from ancient times to the present, with an emphasis on recent developments. The relationship of Earth to its deep-space environment and contrast the Sun to other types of stars will be examined. The organization in space and time of the hierarchy of the cosmos from stellar systems through the universe on its largest observable scale, and investigate the observational strategies and equipment that are used to investigate it will be synthesized.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Appraise the benefits to society of astronomical research concerning stars and stellar systems.
- Evaluate the impact on Earth's characteristics of the evolution of stars and stellar systems.

- Evaluate astronomical news items or theories about stellar astronomy based upon the scientific method.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ASTR 15L
Astronomy Laboratory

1.0 Units

Introductory astronomy lab in which students use astronomical techniques, data, and software to evaluate hypotheses about the physical universe. Areas of investigation include our solar system and the extrasolar planets, as well as stars, galaxies, and the evolution of the universe.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ASTR 4 or ASTR 10 (either course may be taken concurrently)

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 210 or equivalent.

Student Learning Outcomes
- Evaluate claims about the nature of the physical universe using the scientific method of hypothesis testing.
- Compare and contrast the histories of solar-system bodies (e.g. moons, planets, asteroids, comets, meteorites) by integrating data from spacecraft and Earth-based observatories.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

AUTO 50A
Introduction to Automotive Principles

4.0 Units

A selective study of the automobile's engine systems. Knowledge and skills that are necessary for basic repair, maintenance, and troubleshooting of today's engine systems. This course may be used to fulfill the prerequisite to the Automotive Technology Program.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes
- Answer correctly, selected questions on the final exam concerning engine theory, lubrication, and basic electrical fundamentals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

AUTO 50B
Applied Automotive Principles

2.0 Units

Basic experiences in automotive repair and maintenance as related to the engine and its supporting systems.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 50A (may be taken concurrently)

Student Learning Outcomes
- Answer correctly, selected questions on the final exam concerning engine service, cooling system maintenance and battery testing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.5	3.0
Laboratory Hours	2.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	18.0	**Lecture**	36.0
Laboratory	30.0	**Laboratory**	0.0
Total	48.0	**Total**	36.0

AUTO 51A
Introduction to Automotive Principles - Chassis Systems

4.0 Units

A selective study of the automobile's chassis and drive line systems. Knowledge and skills necessary for basic repair, maintenance, and troubleshooting of today's chassis and drive line systems. Can be used to fulfill the prerequisite to the Automotive Technology Program.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes
- Answer correctly, selected questions on the final exam concerning drive line theory, clutch and transmission service and diagnosis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

AUTO 51B
Applications of Automotive Principles - Chassis Systems

2.0 Units

Basic experiences in automotive repair and maintenance as related to suspension, steering, braking, and drive line components.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 51A (may be taken concurrently)

Student Learning Outcomes
- Answer correctly, selected questions on the final exam concerning tire service including balancing, disc and drum brake service, and front and rear suspension service.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.5	3.0
Laboratory Hours	2.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	18.0	**Lecture**	36.0
Laboratory	30.0	**Laboratory**	0.0
Total	48.0	**Total**	36.0

AUTO 53A
Automotive Mechanisms

4.0 Units

The application of physical principles to the operation of mechanical and hydraulic systems, using an applied physics technique.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes
- Demonstrate the ability to diagram and construct compound mechanical and pneumatic machines, calculating the mechanical advantage for the individual components as well as the complete system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

AUTO 53B
Automotive Electromechanical Systems

2.0 Units

Principles of electricity, electronics, circuits, cranking and charging systems. Testing, diagnosis and repair of these systems.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes
- Demonstrate the ability to diagram and construct simple electromechanical circuits, calculating and measuring voltage, amperage, and resistance using Ohm's Law and a digital multimeter.
- Develop a testing sequence to diagnose open , shorted, and grounded electromechanical circuits.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.5	3.0
Laboratory Hours	2.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	18.0	**Lecture**	36.0
Laboratory	30.0	**Laboratory**	0.0
Total	48.0	**Total**	36.0

AUTO 57A
Career Research and Employment in the Automotive Industry

2.0 Units

Career research in the automotive industry: job search, applications, and resumes, employer-employee relationships, job interviews.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Participate in an 'in-class' job interview, after studying the various parts of the automotive industry and learning job interview skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

AUTO 60
Automotive Electrical Systems

9.0 Units

Principles of electricity, electronics, cranking and charging systems. Testing, diagnosis and repair of these systems.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 50A and AUTO 50B

Student Learning Outcomes
- Demonstrate the ability to diagram and construct simple electrical circuits, calculating and measuring voltage, amperage, and resistance using Ohm's Law and a digital multimeter.
- Develop a testing sequence to diagnose inoperative charging, cranking, and battery circuits.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	108.0	**Lecture**	216.0
Laboratory	0.0	**Laboratory**	0.0
Total	108.0	**Total**	216.0

AUTO 60A
Electrical Schematic Diagnosis

4.5 Units

Theory of operation for electrical, electronic, and electromechanical accessory systems. Understanding and using wiring diagrams, schematics, and other diagnostic information to troubleshoot electrical, electronic, and electromechanical systems. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 60

Student Learning Outcomes
- Analyze an open circuit problem in which all or part of the circuit is inoperative.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

AUTO 60B
Automotive Electronics

4.5 Units

Application of computer control principles to automotive systems. Operation of automotive electronic control systems, including commonly used sensors, actuators, and displays. Introduction to diagnostic methods and test equipment for automotive electronic control systems. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 50A, D050B, D060. and D060A

Student Learning Outcomes
- Analyze the operation of engine control systems where computer management is prevalent.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

AUTO 60C

Automotive Ignition, Fuel and Emission Systems

9.0 Units

Introduction to components, subsystems, and functions of ignition, fuel delivery, carburetor, and fuel injection systems (engine management). Introduction to automotive emission controls. Basic diagnosis, service, and repair procedures. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 50A, D050B, D060., D060A and D060B

Student Learning Outcomes
- Identify major ignition and fuel system components.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	108.0	**Lecture**	216.0
Laboratory	0.0	**Laboratory**	0.0
Total	108.0	**Total**	216.0

AUTO 60D

Ignition Analysis and Oscilloscope Diagnosis

4.5 Units

Ignition system principles of operation and diagnosis. Use of electronic test equipment in ignition system diagnosis. Preparation for Automotive Service Excellence (ASE) certification examinations in Areas A6, A8, and L1.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 50A, D050B, D060., D060A, D060B and D060C

Student Learning Outcomes
- Identify the purpose of an automotive ignition system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

AUTO 60E

Automotive Fuel Injection

4.5 Units

Theory of operation and service of electronic fuel injection systems. Component parts and their functions and overall system theory. Diagnostic and repair methods using standard test and repair equipment. Preparation for Automotive Service Excellence (ASE) examination in Areas A8 and L1.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 50A, D050B, D060., D060A, D060B, D060C and D060D

Student Learning Outcomes
- Describe the principles of electronic fuel injection.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

AUTO 60F

No-Start Diagnosis

4.5 Units

Principles of troubleshooting procedures and techniques to analyze and repair of "no-start" problems in the fuel, ignition, and electrical systems of an automobile. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 50A, D050B, D060., D060A, D060B, D060C, D060D and D060E

Student Learning Outcomes
- Identify basic internal combustion principles for the gasoline engine.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0

Total	54.0	**Total**	108.0

AUTO 60G

Advanced Scan Tool Diagnosis

4.5 Units

Advanced drivability diagnosis using a scan tool. Using the onboard diagnostic capabilities of vehicles built since 1980. Advanced scan data analysis. Using PC capabilities to store and analyze diagnostic information. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 50A, D050B, D060., D060A, D060B, D060C, D060D and D060E

Student Learning Outcomes
- Identify the purpose of an automotive scan tool.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

AUTO 60H

Advanced Drivability and Onboard Diagnostics

4.5 Units

Survey of onboard diagnostic systems from 1980 to the present. Advanced electronic diagnostic procedures using an automotive scan tool. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 50A, D050B, D060., D060A, D060B, D060C, D060D and D060E

Student Learning Outcomes
- Describe the onboard self-test and diagnostic capabilities of various manufacturers' vehicle control systems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

AUTO 60J

Advanced Lab Scope and Waveform Diagnosis

4.5 Units

Diagnosis of automotive electronic systems using a laboratory oscilloscope and a power graphing meter. Related use of other basic test equipment, including a digital multi-meter (DMM) and scan tool. Advanced waveform analysis. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 50A, D050B, D060., D060C, D060D, D060E, D060F and D060G

Student Learning Outcomes
- Analyze the various designs and applications of the diagnostic oscilloscope and power graphing meter.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

AUTO 60K

Automotive Body Electrical Systems

4.5 Units

Theory of operation for body electrical, electronic, and electromechanical systems. Understanding the functions of automotive body electrical systems. Utilization of special diagnostic equipment for body electrical systems and subsystems. Appropriate repair protocol for applied body electrical systems. Symptom to system diagnosis. Preparation for Automotive Service Excellence (ASE) examination in Area A6.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 60A and AUTO 60B

Student Learning Outcomes
- The student will show an understanding of a resistive multiplexed switch circuits operation and diagnosis through a written essay.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)

12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

AUTO 60N
Hybrid Vehicle Safety and Maintenance

2.0 Units

Explores the use of hybrid electric power for vehicle transportation. Topics will include safety, maintenance of hybrid propulsion and internal combustion systems, drivability, and storage battery technology. Various designs of hybrid vehicles and their integrated systems from multiple manufacturers will be discussed. This course also fulfills the Toyota Technician Education Network training requirement for the T-256 course. This course is suitable for students interested in alternative fuels or power and energy technology.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 60A and D060B

Student Learning Outcomes
- Identify the function of an automotive hybrid propulsion system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

AUTO 61A
Automotive Brake Systems

4.5 Units

Operation of automotive brake systems. Repair, maintenance and troubleshooting.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 51A and AUTO 51B

Student Learning Outcomes
- Understand proper brake inspection procedures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

AUTO 61B
Electronically Controlled Brake Systems

4.5 Units

Computer controlled automotive brake systems, including service, maintenance, troubleshooting and repair procedures.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 61A

Student Learning Outcomes
- Describe the differences in the two major types of wheel speed sensors used on cars and light trucks as well as how they function, and how to diagnose a failure of the component.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

AUTO 62A
Automotive Suspension, Steering and Alignment

9.0 Units

Operation of automotive suspension, steering and alignment systems. Overview of maintenance, repair and troubleshooting procedures.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 51A and AUTO 51B

Student Learning Outcomes
- Understand proper under car inspection procedures.
- Understand proper vehicle wheel alignment procedures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	108.0	**Lecture**	216.0
Laboratory	0.0	**Laboratory**	0.0
Total	108.0	**Total**	216.0

AUTO 62B

Advanced Wheel Alignment

9.0 Units

Advanced study of wheel alignment systems. Emphasis is placed on diagnostic inspection and repair procedures.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 62A

Student Learning Outcomes
- Understand the concepts and be able to diagnose vehicle wander, drift, pull, hard steering, bump steer, memory steer, torque steer, and steering return concerns; determine necessary action.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	108.0	**Lecture**	216.0
Laboratory	0.0	**Laboratory**	0.0
Total	108.0	**Total**	216.0

AUTO 63

Automatic Transmissions and Transaxles

9.0 Units

Principles of operation, service and repair procedures for automatic transmissions and transaxles. Hydraulic and mechanical system operation. Power flow and component repair techniques. Preparation for Automotive Service Excellence (ASE) certification examination in Area A2.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 50A and AUTO 50B

Student Learning Outcomes
- Show an understanding of how a torque converter works.
- Show an understanding of the inputs to transmission that create both up and downshifts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	108.0	**Lecture**	216.0
Laboratory	0.0	**Laboratory**	0.0
Total	108.0	**Total**	216.0

AUTO 63A

Advanced Manual Drive Train

9.0 Units

Details of operation and repair of automotive manual drive train components. The design operation and repair of four wheel and all wheel drive components, as well as the theory and practical application of the diagnosis of noise and vibrations in the drive train based on frequency calculation and measurement. Service and repair procedures, product problem discussions and demonstrations. Preparation for Automotive Service Excellence (ASE) certification examination in Area A3.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 50A and AUTO 50B

Student Learning Outcomes
- Understand the workings of a manual transmission clutch assembly.
- Calculate first and second order frequency vibrations for a rear wheel drive propeller shaft.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	108.0	**Lecture**	216.0
Laboratory	0.0	**Laboratory**	0.0
Total	108.0	**Total**	216.0

AUTO 63D

Transmission Diagnostic and Repair Techniques

4.5 Units

Diagnostic and repair techniques for automatic transmissions and transaxles. Emphasis on development of diagnostic procedures and repair techniques. Preparation for Automotive Service Excellence (ASE) certification examinations in Areas A2 and A3.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 50A and AUTO 50B

Student Learning Outcomes

- Show an understanding of the operation of transmission solenoids and the corresponding voltage values for diagnostic purposes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

AUTO 64
Automotive Machining and Engine Repair

9.0 Units

Repair and rebuilding of engine cylinder heads and block components, engine assembly and testing. Includes theory, diagnosis, disassembly, cleaning, inspection and failure analysis. Preparation for Automotive Service Excellence (ASE) examinations for Areas A1 and M1, M2 and M3.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 50B

Student Learning Outcomes
- Student should be able to answer selected questions on the final concerning engine theory, valve events, engine diagnostics, and engine assembly.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	108.0	**Lecture**	216.0
Laboratory	0.0	**Laboratory**	0.0
Total	108.0	**Total**	216.0

AUTO 64HP
High Performance Engine Preparation

9.0 Units

Precision and performance engine preparation. Includes selection and matching of engine and valve train components for maximum efficiency and output.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 64

Student Learning Outcomes
- Student will answer correctly, selected questions on the final exam concerning blueprinting operations, engine theory, camshaft design, parts reliability upgrades. These are areas essential to the understanding of performance engines.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	108.0	**Lecture**	216.0
Laboratory	0.0	**Laboratory**	0.0
Total	108.0	**Total**	216.0

AUTO 65P
Smog Inspector - Level 1 Training

7.0 Units

Automotive technician training program for California's Smog inspection program. Course content is mandated by the Bureau of Automotive Repair (BAR).

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
AUTO 65W

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes
- Student will be able to answer correctly, selected questions on the final exam concerning Bureau of Automotive Repair rules, regulations, and proper procedures to perform a smog check in the state of CA.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	7.0	14.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	84.0	**Lecture**	168.0
Laboratory	0.0	**Laboratory**	0.0
Total	84.0	**Total**	168.0

AUTO 65W
Smog Inspector - Level 2 Training

2.5 Units

Automotive technician training program for California's Smog Inspection Program. Meets one of the Bureau of Automotive Repair (BAR) requirement for obtaining Smog Inspector License.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)

AUTO 65P

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes
- Student will be able to answer correctly, selected questions on the final exam concerning repairs to lower Oxides of Nitrogen (Nox) failures and procedures to perform an acceleration simulation mode (ASM) smog inspection using a dynomometer.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	30.0	**Lecture**	60.0
Laboratory	0.0	**Laboratory**	0.0
Total	30.0	**Total**	60.0

AUTO 66
Automotive Air Conditioning

4.5 Units

Operation and service of automotive air conditioning refrigeration and electrical control systems. Includes retrofitting. Emphasis on diagnosis and repair of systems. Preparation for Automotive Service Excellence (ASE) certification examination in Area A7.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes
- Students will understand proper refrigerant recovery, recycling, and handling procedures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

AUTO 67A
Hybrid Electric Vehicles

4.5 Units

Understanding the functions of automotive hybrid propulsion systems. Operating characteristics of hybrid drive systems. Integration of high voltage power supplies and energy storage systems. Operating fundamentals of DC to DC converters. Relationship of internal combustion engines and motor generators. Function and design of regenerative braking systems. Operation of hybrid transmission systems and power splitting devices. Application of the high expansion ratio cycle. Understanding the safety aspects of service hybrid electric vehicles. Utilization of special diagnostic equipment for hybrid electrical systems and related subsystems. Appropriate repair protocol for hybrid electrical systems. Maintenance and servicing of hybrid vehicles.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 60A, D060B and D060G

Student Learning Outcomes
- Identify the function of an automotive hybrid propulsion system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

AUTO 67B
Plug-In Electric Vehicle Technology

4.5 Units

Understanding the functions of plug-in electric vehicles and hybrid extended-range electric vehicles. Operating characteristics of high voltage onboard charging systems. charging stations, photovoltaic systems, and electrical grid charging. Operation of onboard smart charging systems. Economics of electric transportation, utility company systems, and existing options such as off-peak charging. Understanding the use of electric power as applicable to extended range electric vehicle transportation. Utilization of applicable diagnostic and service equipment. Electric vehicle theory of operation. Advantages of an electric drive train. Electric vehicle history and current status of plug-in electric vehicle technologies. Career possibilities in the electric transportation industry. Safety procedures and maintenance of plug-in electric vehicles.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 67A

Student Learning Outcomes
- Demonstrates the ability to safely maintain and service a vehicle that uses a high voltage battery as a fuel source for the main propulsion.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0

Total	54.0	**Total**	108.0

AUTO 67G

Gaseous Fuels

4.5 Units

Gaseous fuels include propane, compressed natural gas, liquefied natural gas and hydrogen. Propane has been used as an engine fuel for over 80-years. After gasoline and diesel, it is the third most popular fuel. It is used to power over four million vehicles. Compressed natural gas and liquefied natural gas are being used in many fleet applications and have a large pipeline distribution system. Hydrogen is used in a fuel cell to create electricity and expels water. Two major automobile manufacturers have introduced hydrogen powered cars. As a society we are moving towards having humans have less of an impact on our environment and the gaseous fuel are a big part of the movement.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes
- Students will interpret the environmental affects gaseous fuel produce and which fuel has the lowest effect on our world. This will be determined with a group of questions on the final exam.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

AUTO 67J

Introduction to Automotive and Light Truck Diesel Systems

4.5 Units

As of January 2010, California state law required light duty diesel powered vehicles to be included in the smog check program. Diesel's higher efficiency is moving these vehicles' highway mileage to over 40 miles per gallon. Chevrolet and Jeep are all adding diesel powered vehicles into their new car line-up. This course will consist of lectures and laboratory demonstrations. Providing our students with the necessary skills to maintain and repair light duty diesel vehicles. Diesel training will give students new abilities that are required to be successful in their careers in the automotive industry.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly AUTO D064G.)

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 50A and AUTO 50B

Student Learning Outcomes
- Demonstrate the ability to understand diesel theory.
- Develop a testing system to systematically trouble shoot diesel fuel systems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

AUTO 69Y

Smog Check Update

1.5 Units

Legally mandated course by the California Bureau of Automotive Repair (BAR) to obtain a renewal Smog Check License every two years. This applies to all State Licensed Smog Check Technicians. The latest Smog Check Program changes and updates will be covered. The State Smog Check License renewal examination will be given at the end of the course.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
Current CA Smog Check License.

Student Learning Outcomes
- Student will be able to answer correctly, selected questions on the final exam concerning CA Bureau of Automotive Repair smog inspection rules, regulations and procedures updates.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.5	3.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	18.0	**Lecture**	36.0
Laboratory	0.0	**Laboratory**	0.0
Total	18.0	**Total**	36.0

AUTO 91A

Automotive Brake Systems

6.0 Units

Repair, maintenance and troubleshooting of automotive braking systems.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 50A and AUTO 50B

Limitation(s) on Enrollment
(Approved Automotive Technology Course Sequence Contract required.)

Student Learning Outcomes
- Given a vehicle and tools, you are to remove one dual servo brake assembly from the

vehicle, inspect and lubricate the brake assembly as needed, and reinstall the dual servo brake assembly in the vehicle, according to recognized industry standards in 30 minutes.
- Given a vehicle and tools, you are to remove one tire, wheel, and brake caliper assembly from the vehicle, turn one rotor on the car as needed, and reinstall the tire, wheel, and brake caliper assembly on the vehicle, according to recognized industry standards.
- Given a brake drum and tools, you are to setup the brake drum on the bench lathe, measure and turn the drum as needed according to recognized industry standards in 30 minutes.
- Given a vehicle and tools, you are to perform a complete brake inspection, according to recognized industry standards in 30 minutes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

AUTO 92A
Automotive Steering and Suspension

6.0 Units

Repair, maintenance and troubleshooting of suspension and steering systems.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
AUTO 51A and AUTO 51B

Limitation(s) on Enrollment
(Approved Automotive Technology Course Sequence Contract required.)

Student Learning Outcomes
- Given a vehicle and tools, you are to remove the strut assembly from the vehicle, remove and replace the strut from the coil spring, and reinstall the strut assembly in the vehicle, according to recognized industry standards in 30 minutes.
- Given a vehicle and tools, you are to perform a chassis inspection on a front wheel drive vehicle according to recognized industry standards in 30 minutes.
- Given a vehicle and tools, you are to perform a chassis inspection on a rear wheel drive vehicle according to recognized industry standards in 30 minutes.
- Given a vehicle and tools, you are to remove, mount and balance, and reinstall two tire and wheel assemblies, according to recognized industry standards in 30 minutes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

AUTO 92B
Automotive Alignment

6.0 Units

Automotive alignment systems, including repair, maintenance and troubleshooting. Service and repair procedures.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
(Approved Automotive Technology Course Sequence Contract required.)

Student Learning Outcomes
- Given a vehicle and tools, you are to hook up the John Bean Alignment Machine to the vehicle, obtain alignment readings, determine corrective action, set front toe, and disconnect the alignment equipment, according to recognized industry standards in 30 minutes.
- Given a vehicle and tools, you are to hook up the Hunter Alignment Machine to the vehicle, obtain alignment readings, determine corrective action, set front toe, and disconnect the alignment equipment, according to recognized industry standards in 30 minutes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

AUTO 92C
Automotive Electronic Chassis Controls

2.0 Units

Computer controlled automotive suspension and steering systems, including repair, maintenance, troubleshooting, and service procedures.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
(Approved Automotive Technology Course Sequence Contract required.)

Student Learning Outcomes
- The learner will be able to test and diagnose components of electronically controlled suspension systems using a scan tool; determine necessary action.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.5	3.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)

12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	18.0	**Lecture**	36.0
Laboratory	18.0	**Laboratory**	0.0
Total	36.0	**Total**	36.0

AUTO 93A
Automotive Final Drive Train

6.0 Units

Components of the final drive train including design features and service techniques.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
(Approved Automotive Technology Course Sequence Contract required.)

Student Learning Outcomes
- Demonstrate the ability to measure the critical elements of a selected differential, analyze the readings, make the necessary adjustments as well as the skill to disassemble and reassemble the unit.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

AUTO 93B
Standard Transaxles

2.0 Units

Standard transaxles: power flow, service requirements and repair procedures.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
(Approved Automotive Technology Course Sequence Contract required.)

Student Learning Outcomes
- Show their understanding of the powerflow through a standard transaxle.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.5	3.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)

12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	18.0	**Lecture**	36.0
Laboratory	18.0	**Laboratory**	0.0
Total	36.0	**Total**	36.0

AUTO 93C
Automatic Transmissions

6.0 Units

Operation of automatic transmissions including torque converters, hydraulic control, planetary gear train, clutch and band operation. Inspection and repair procedures for automatic transmissions.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
(Approved Automotive Technology Course Sequence Contract required.)

Student Learning Outcomes
- Describe in an essay form, the function of an automatic transmission torque converter. They must show a knowledge of the components and their function as well as an understanding of of the relationship between them. A description of what each component does during acceleration, cruise, and converter lock up must be included.
- Disassemble an automatic transmission and then reassemble the same unit replacing any needed parts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

AUTO 93D
Automatic Transaxles

2.0 Units

A detailed study of automatic transaxles. Power flow, service requirements and repair procedures will be covered.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
(Approved Automotive Technology Course Sequence Contract required.)

Student Learning Outcomes
- Show an understanding of how a torque converter works.
- Show an understanding of the inputs to transmission that create both up and downshifts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.5	3.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	18.0	**Lecture**	36.0
Laboratory	18.0	**Laboratory**	0.0
Total	36.0	**Total**	36.0

AUTO 93E

Diagnostic Techniques

1.5 Units

Diagnostic techniques for problem-solving in the automotive and light-duty truck powertrain.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
(Approved Automotive Technology Course Sequence Contract required.)

Student Learning Outcomes
- Retrieve a transmission related fault code from the on board computer system and determine a course of action to institute a repair.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	18.0	**Laboratory**	0.0
Total	30.0	**Total**	24.0

AUTO 93F

Automotive Transmission Service

6.0 Units

Operation of rear axles, transfer cases, clutches, automatic and standard transmissions, and transaxles. Diagnostic, inspection and repair procedures for these powertrain components.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
(Approved Automotive Technology Course Sequence Contract required.)

Student Learning Outcomes
- Perform a transmission service as required by factory maintenance schedule.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

AUTO 94A

Principles of Four Stroke Cycle Gas and Diesel Engines

6.0 Units

Shop operations specific to engine repair and rebuilding including safety and hazardous waste management. Emphasis on theory, diagnosis, disassembly, cleaning, inspection and failure analysis.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
(Approved Automotive Technology Course Sequence Contract required.)

Student Learning Outcomes
- After studying the theory of a 4-stroke cycle, internal combustion engine, the student will be able to explain in detail each of the four strokes, valve overlap, and blowdown. This will be done using a cut-away engine.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

AUTO 94B

Automotive Machining and Engine Service

6.0 Units

Reconditioning cylinder heads and related valve train components including crack detection, repair, testing and assembly. Resurfacing cylinder heads.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
(Approved Automotive Technology Course Sequence Contract required.)

Student Learning Outcomes
- Student will set up and grind a valve face with the proper surface finish, while maintaining a margin thickness of no less than 1/16".

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

AUTO 94C

Automotive Machining and Engine Service

6.0 Units

Reconditioning engine short block assemblies and components including balancing, assembly and testing.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
AUTO 94A

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes
- Student will set up and hone a cylinder to a specified size, with the proper surface finish depending on the type of piston rings being used.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

AUTO 94D

Automotive Machining and Engine Service

6.0 Units

Precision and performance engine preparation with emphasis on improvements in volumetric efficiency. Includes selection and matching of components for maximum efficiency within mandated emissions requirements.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
AUTO 94A

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes
- Student will equalize the weight of the rotating ends and reciprocating ends of connecting rods within 1 gram of each other.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

AUTO 94E

Automotive Machining and Engine Service

6.0 Units

Complete automotive machine shop practice including engine repair, assembly, testing and installation. Researching service and installation procedures and parts and labor estimating.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
AUTO 94C

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes
- Student will prepare a written estimate for a vehicle repair including all pertinant customer infromation on the repair order.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

AUTO 94F

Automotive Machining and Engine Service

6.0 Units

Practice and skill development with emphasis on precision and productivity in rebuilding, servicing and installing engines. Research and prepare equipment operation and maintenance instructions.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
AUTO 94C

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes

- Student will prepare a detailed checklist for an engine being assembled, including assembly of all subsystems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

AUTO 99A
Automotive Electricity, Battery and Cranking Systems

7.0 Units

Automotive electricity including the electron theory, fundamentals of circuit construction and interpretation, principles of magnetism as applied to electric motors, relays and coils. Diagnosis, troubleshooting and servicing of automotive battery and cranking systems including system repair procedures. Developing skills in the use of test equipment including the DVOM and electrical load testing tools for the analysis and diagnosis of these types of electrical systems.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)

- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
(Approved Automotive Technology Course Sequence Contract required.)

Student Learning Outcomes

- The student will demonstrate the ability to perform a battery load test, a starter draw test, a charging system test and analyze the readings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	108.0	**Laboratory**	0.0
Total	156.0	**Total**	96.0

AUTO 99B
Automotive Charging, Ignition and Accessory Systems

7.0 Units

The fundamentals of automotive electronic devices as they apply to the automotive charging and ignition systems. Emphasis on diagnosis of these systems using test instruments including the oscilloscope. Introduction to automotive accessory systems including wiring and repair techniques. Skill development in the understanding of the electrical wiring diagram networks as provided by manufacturers.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)

- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
(Approved Automotive Technology Course Sequence Contract required.)

Student Learning Outcomes

- The student will demonstrate the ability to repair a copper strand wire, perform a parasitic draw test, and measure the resistance of various components.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	108.0	**Laboratory**	0.0
Total	156.0	**Total**	96.0

AUTO 99C
Introduction to Engine Performance Systems

7.0 Units

Electronically controlled automotive systems. Fundamentals of automotive microprocessors and automotive onboard computers. Testing techniques for system input and output devices. Diagnosis, troubleshooting, and repairing the automotive fuel supply system including carburetion and feedback carburetion. Diagnosis, troubleshooting, and repair techniques for no-start conditions. Procedure development for analyzing and repairing common problems of fuel, ignition, electrical and basic engine mechanical systems which affect engine performance of the automobile.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
AUTO 99A

Advisory(ies)

- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes

- The student will be able to demonstrate the ability to properly install a distributor into an engine, install spark plug wires in the proper firing order and set ignition timing to specifications.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	108.0	**Laboratory**	0.0
Total	156.0	**Total**	96.0

AUTO 99D

Intermediate Engine Performance Systems

7.0 Units

Electronically controlled engine performance systems. Diagnosing, troubleshooting and repairing the automotive fuel-injection systems of domestic automobiles. Testing techniques for system input and output devices using automotive scanners and oscilloscopes.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
AUTO 99A

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes
- The student will be able to examine a vehicle with a no-start condition, and using analytical skills learned in class, be able to deduce the malfunctioning component(s) within 15 minutes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	108.0	**Laboratory**	0.0
Total	156.0	**Total**	96.0

AUTO 99E

Basic Engine Performance Diagnostic Procedures

7.0 Units

Automotive technician training program to include each system which aids in increasing fuel economy and in the reduction of emissions and pollutants from the automobile. Diagnosing and troubleshooting the systems controlling automotive performance and drive-ability.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
AUTO 99C

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes
- The student will be able to demonstrate how to properly retrieve DTC's from a Powertrain Control Module (PCM), retrieve Freeze Frame Data from a PCM, and retrieve Inspection/Maintenance (I/M) Readiness Status from a PCM.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	108.0	**Laboratory**	0.0
Total	156.0	**Total**	96.0

AUTO 99F

Intermediate Engine Performance Diagnostic Procedures

7.0 Units

Performance tuning of automotive gasoline engines. Emphasis on reference material dealing with repair procedures, specifications, and efficient tune-up procedures. Intermediate level for usage of computer scanners and oscilloscopes. Diagnosing, troubleshooting and repairing the systems designed for the control of engine temperature.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
AUTO 99C

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes
- The student will be able to perform a Smog Inspection (Acceleration Simulation Mode), a visual inspection and functional inspection per CA State guidelines.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	108.0	**Laboratory**	0.0
Total	156.0	**Total**	96.0

BIOL 6A

Form and Function in the Biological World

6.0 Units

This course is an introduction to biology and scientific methods for students beginning the biology major series. It covers the structure and physiological processes of living organisms, with an emphasis on plants and animals.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CHEM 1A or CHEM 1AH or CHEM 25 with a grade of C or better; or satisfactory score on the Chemistry Placement Exam

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Analyze and compare the process of homeostasis as applied to common physiological processes across higher taxonomy.
- Develop observational skills in the context of scientific methodologies.
- Contrast the Linnaen traditional phylogenetic and cladistic processes of taxonomy.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

BIOL 6AH

Form and Function in the Biological World - HONORS

6.0 Units

This course is an introduction to biology and scientific methods for students beginning the biology major series. It covers the structure and physiological processes of living organisms, with an emphasis on plants and animals. Because this is an honors course, students will be expected to complete extra assignments to gain a deeper insight into biological form and function.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CHEM 1A or CHEM 1AH or CHEM 25 with a grade of C or better; or satisfactory score on the Chemistry Placement Exam

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Analyze and compare the process of homeostasis as applied to common physiological processes across higher taxonomy.
- Develop observational skills in the context of scientific methodologies.
- Contrast the Linnaen traditional phylogenetic and cladistic processes of taxonomy.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

BIOL 6B

Cell and Molecular Biology

6.0 Units

This course is an introduction to cellular structure and function, biological molecules, bioenergetics, molecular genetics, and cell proliferation. The laboratory includes extensive hands-on experimentation in molecular biology.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
BIOL 6A or BIOL 6AH

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
MATH 114 or equivalent

Student Learning Outcomes
- Demonstrate the ability to use appropriate molecular biology techniques to answer research questions and to interpret and explain the results.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

BIOL 6C

Ecology and Evolution

6.0 Units

This course covers the principles of ecology and evolution, including the ecology of populations, communities, ecosystems and biomes, as well as the evolution of populations and the origin of species and higher taxa. The laboratory portion of the course includes a research project designed, researched and presented by students.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
BIOL 6A (or BIOL 6AH) and BIOL 6B, with a grade of C or better

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
MATH 114 or equivalent

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Design and complete an independent ecological research project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

BIOL 6CH

Ecology and Evolution - HONORS

6.0 Units

This course covers the principles of ecology and evolution, including the ecology of populations, communities, ecosystems and biomes, as well as the evolution of populations and the origin of species and higher taxa. The laboratory portion of the course includes a research project designed, researched and presented by students. Because this is an honors course, students will be expected to complete extra assignments to gain a deeper insight into ecology and evolution.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
BIOL 6A (or BIOL 6AH) and BIOL 6B, with a grade of C or better

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
MATH 114 or equivalent

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Design and complete an independent ecological research project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

BIOL 10

Introductory Biology

5.0 Units

This is an introduction to biology as a branch of the biological sciences and to its basic unifying principles, with selected application to the scientific method, evolutionary concepts, genetic modification, biotechnology, ecology, ecological crises, and human impacts.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Evaluate the correlation of structure and function in plants and animals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

BIOL 10H

Introductory Biology - HONORS

5.0 Units

This is an introduction to biology as a branch of the biological sciences and to its basic unifying principles, with selected application to the scientific method, evolutionary concepts, genetic modification, biotechnology, ecology, ecological crises and human impacts. Honors students will complete additional research that will broaden and deepen their understanding of biology beyond the expectations of the regular course section.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Evaluate the correlation of structure and function in plants and animals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

BIOL 11

Human Biology

5.0 Units

This course is a general introduction to biology and its principles, with a focus on the human body, public health issues, evolution, and the interactions of humans with the environment. The course will introduce the unifying principles of biology while examining the evolution, anatomy, physiology, and variations of the human body, and the physical and societal roots of disease. It will also emphasize the ways human health concerns affect broader social issues surrounding equity and diversity, and the ongoing impacts of human-related environmental alterations.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Contrast the forms and functions of selected human organ systems from the molecular/cellular level to homeostasis at the organismal level.
- Use scientific reasoning to evaluate the biological principles underlying current human health dilemmas, such as the causes of disease, use of biotechnologies, management

of epidemics and public health, ecological/environmental health, and social health inequities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

BIOL 13
Marine Biology

5.0 Units

This course is a general survey of the ecosystems and diversity of life in the marine environment. It will introduce the sciences of geological, chemical and physical oceanography as the basis to understand the environment where marine organisms exist is included. A comparative approach is used to study the physiological and anatomical adaptations of the different marine organisms to their environment. This course compares the ecology of the major marine ecosystems including the epipelagic, deep sea, hydrothermal vents, intertidal, estuaries, coral reefs and polar regions. Major aspects of evolutionary, cell and molecular theory, and the scientific method are addressed throughout the course.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Appraise the physical and chemical properties of the ocean and investigate their impact on marine life.
- Compare and contrast the anatomy, behavior, reproduction, and ecology of selected marine invertebrates, vertebrates, plants, and protists.
- Examine marine biology as a branch of the biological sciences and its relation to the scientific field and how the scientific method is used.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

BIOL 15
California Ecology

5.0 Units

This course is an introduction to ecology and field biology as a branch of the biological sciences and its relationship to the scientific method. It includes a review of plant and animal adaptations to the natural environments of California and the impact of pollution, degradation of habitat and human population on life.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Evaluate the impact of human behavior on California ecology.
- Evaluate ecological principles using California organisms.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

BIOL 26
Introductory Microbiology

6.0 Units

The course introduces students to the sciences and the scientific method as exemplified by the study of microbiology. Morphology, metabolism, growth, and genetics of bacteria and other microorganisms; chemical and physical means of control; the disease process and immunity; the importance of microorganisms to humankind; and techniques and methods of microbiology are covered in this course.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
(BIOL 40A, D040B and D040C) or (BIOL 6A or D06AH, 6B and D006C or D06CH), or equivalent, all with a grade of C or better

Student Learning Outcomes
- Evaluate and demonstrate the importance of aseptic techniques when working with microorganisms.
- Compare and contrast the shape, structure, nutritional and environmental requirements of bacteria, viruses, protozoa and fungi.
- Investigate host parasite relationships and assess their positive and negative impact on the participants.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	72.0	**Laboratory**	0.0
Total	120.0	**Total**	96.0

BIOL 40A

Human Anatomy and Physiology

5.0 Units

An introduction to the disciplines of Anatomy and Physiology. Study of cell chemistry, cell biology, histology and the integumentary, skeletal and muscular systems with emphasis on homeostatic mechanisms.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Satisfactory score on the BIOL 40A Placement Test; or CHEM D001A, D01AH, 25 or D030A with a grade of C or better

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate the scientific method as employed by health professionals to evaluate real-world problems involving the skin, skeletal, and muscle systems.
- Investigate the roles of molecules, organelles, and cells in the function of skin, skeletal, and muscle tissues.
- Infer the homeostatic reactions of skin, skeletal, and muscle cells and tissues in reaction to external or internal changes in conditions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

BIOL 40B

Human Anatomy and Physiology

5.0 Units

Study of the nervous, circulatory, and respiratory systems.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
BIOL 40A with a grade of C or better

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Apply the structural organization of the the nervous system to how it processes information.
- Appraise the role of the cardiovascular system in maintaining homeostasis.
- Demonstrate the ability to apply basic knowledge regarding the structure and function of the respiratory system to predicting its responses in maintaining homeostasis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

BIOL 40C

Human Anatomy and Physiology

5.0 Units

Study of the endocrine system, lymphatic system, digestive system, metabolism, urinary, and reproductive systems.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
BIOL 40B, with a grade of C or better

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Predict the homeostatic responses of the endocrine system to internal and external changes or stimuli.
- Appraise the role of the lympathic and immune system in the body's defense to disease.
- Summarize and describe the process of nutrient ingestion, digestion, and absorption of nutrients. Trace the fate of absorbed nutrients and describe their metabolic pathways.
- Integrate the structure and function of the kidneys in the regulation of fluid, electrolyte, and pH balance.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

BIOL 45

Introduction to Human Nutrition

4.0 Units

This course will cover the chemical classification of nutrients and their functions within the human body, the effects of nutritional deficiencies and excesses, and the relationship of dietary intakes to health and disease.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
BIOL 6C, BIOL 6CH or BIOL 40C, or equivalent with a grade of C or better

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate a coherent understanding of the relationship between diet and the major chronic diseases.
- Evaluate a meal plan or diet for meeting the criteria of a " healthy diet."

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

BIOL 54G

Applied Human Anatomy and Physiology: Levels of Organization

1.5 Units

This is a survey of human anatomy and physiology with emphasis on the homeostatic limits of the human body. Topics to be discussed include a basic introduction and body organization, the chemical basis of life, the cell and its metabolism, tissues, and the skin.
(This course is especially suited for students planning careers in medical assisting, Licensed Vocational Nursing, education, speech, home economics, psychology, physical education, or recreation.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Define the characteristics of life and demonstrate an understanding of how homeostatic mechanisms are important to survival.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	18.0	**Laboratory**	0.0
Total	30.0	**Total**	24.0

BIOL 54H

Applied Human Anatomy and Physiology: Support, Movement, and Integration

1.5 Units

This is a survey of human anatomy and physiology with emphasis on the homeostatic limits of the human body. Topics to be discussed include the skeletal, muscular, and nervous systems including somatic and special senses.
(This course is especially suited for students planning careers in medical assisting, Licensed Vocational Nursing, education, speech, home economics, psychology, physical education, or recreation.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Distinguish between the functions of the skeletal system and the muscular systems and evaluate the interrelationship of these two systems in producing movement.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	18.0	**Laboratory**	0.0
Total	30.0	**Total**	24.0

BIOL 54I

Applied Human Anatomy and Physiology: Coordination and Transport

1.5 Units

This is a survey of human anatomy and physiology with emphasis on the homeostatic limits of the human body. Topics to be discussed include the endocrine, cardiovascular and lymphatic systems, and the blood.
(This course is especially suited for students planning careers in medical assisting, Licensed Vocational Nursing, education, speech, home economics, psychology, physical education, or recreation.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Apply principles of homeostasis and distinguish between the mechanisms that regulate hormones and cardiovascular function.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	18.0	**Laboratory**	0.0
Total	30.0	**Total**	24.0

BIOL 54J

Applied Human Anatomy and Physiology: Absorption, Excretion, and Reproduction

1.5 Units

This is a survey of human anatomy and physiology with emphasis on the homeostatic limits of the human body. Topics to be discussed include the respiratory, urinary, reproductive, and digestive systems, water and electrolyte balance, nutrition, and pregnancy.
(This course is especially suited for students planning careers in medical assisting, Licensed Vocational Nursing, education, speech, home economics, psychology, physical education, or recreation.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Evaluate the anatomy and general functions of the human digestive system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	18.0	**Laboratory**	0.0
Total	30.0	**Total**	24.0

BIOL 77
Special Projects in Biology

1.0 Units

Individual research in the biological sciences. Specific projects determined in consultation with the instructor. Outside reading and written report required.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Dependent on the nature of the project as determined in sections 3 & 4 of the Special Projects Contract.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

BIOL 77X
Special Projects in Biology

2.0 Units

Individual research in the biological sciences. Specific projects determined in consultation with the instructor. Outside reading and written report required.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Dependent on the nature of the project as determined in sections 3 & 4 of the Special Projects Contract.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

BIOL 77Y
Special Projects in Biology

3.0 Units

Individual research in the biological sciences. Specific projects determined in consultation with the instructor. Outside reading and written report required.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Dependent on the nature of the project as determined in sections 3 & 4 of the Special Projects Contract.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

BIOL 86
Special Projects in Experimental Biology

1.0 Units

Individual research in experimental methods and the biological sciences. Specific projects determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Dependent on the nature of the project as determined in sections 3 & 4 of the Special Projects Contract.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

BIOL 86X

Special Projects in Experimental Biology

2.0 Units

Individual research in experimental methods and the biological sciences. Specific projects determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Dependent on the nature of the project as determined in sections 3 & 4 of the Special Projects Contract.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

BIOL 86Y

Special Projects in Experimental Biology

3.0 Units

Individual research in experimental methods and the biological sciences. Specific projects determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Dependent on the nature of the project as determined in sections 3 & 4 of the Special Projects Contract.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

BIOL 87

Special Projects in Biology Education

1.0 Units

Individual development in methods of science education and instructional materials applied to the biological sciences. Specific projects determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Dependent on the nature of the project as determined in sections 3 & 4 of the Special Projects Contract.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

BIOL 87X

Special Projects in Biology Education

2.0 Units

Individual development in methods of science education and instructional materials applied to the biological sciences. Specific projects determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Dependent on the nature of the project as determined in sections 3 & 4 of the Special Projects Contract.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

BIOL 87Y

Special Projects in Biology Education

3.0 Units

Individual development in methods of science education and instructional materials applied to the biological sciences. Specific projects determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Dependent on the nature of the project as determined in sections 3 & 4 of the Special Projects Contract.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

BUS 10

Introduction to Business

5.0 Units

An overview of the forces within the business environment (i.e., globalization, economics, government, technology and society), and an introduction to the key functional areas within the firm, such as marketing, operations, accounting, finance, management and human resources.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Distinguish among the primary functions within a business, such as, marketing, operations, human resources, accounting and finance, and identify the interests and roles of key business stakeholders, such as employees, management, owners, and society.
- Demonstrate a working vocabulary of business terms.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

BUS 18

Business Law I

5.0 Units

This course introduces students to the American legal system with a focus on laws applicable to business. Topics include sources of law, law and ethics, the structure of the federal and state court systems, the litigation process, alternative dispute resolution methods, contracts, torts, agency law, criminal law and process, legal research methods, and the corporate form of business organization.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
BUS 10

Student Learning Outcomes
- Demonstrate a knowledge of basic legal terminology and basic tort, constitutional, criminal, administrative and contract law.
- Identify ethical issues in a business law context and evaluate factually simple contract issues using basic common law or UCC rules.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

BUS 21

Business and Society

5.0 Units

An introduction to the study of the interactions and interdependencies between business, government and society. The course will examine many individual cases of conflict between business and society, both current and historical, and will guide students to explore the lessons these cases hold for current and future business managers.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Recognize the essential vocabulary of business ethics, corporate social responsibility,

and business lobbying, be able to match that vocabulary with its definitions, and be able to employ that vocabulary correctly in a written composition.
- Discuss and evaluate the meaning of business ethics, the major sources of ethical values in business, business ethics in other cultures, and factors that influence managerial ethics.
- Examine and assess the role of government in regulating business, the history of government regulation of business from the Industrial Revolution to the present, and the influence of business on the political process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

BUS 50
Nonprofit Corporations

5.0 Units

This course provides an introduction to the nonprofit sector, the unique characteristics of nonprofit organizations, and key elements of their effective leadership and management.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
BUS 10 or BUS 55 for students with little work experience

Student Learning Outcomes
- Examine the foundation, requirements, characteristics, and elements of effective functioning of nonprofit organizations.
- Distinguish the roles, interdependence, and impact of a nonprofit governing board as distinct from staff and volunteers.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

BUS 54
Business Mathematics

5.0 Units

Provides students with a rapid review of basic mathematical operations and concepts in order to improve speed and accuracy, and to introduce and understand its use as a tool to aid in the business and personal finance decision-making processes.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 210 or equivalent.

Student Learning Outcomes
- Demonstrate an understanding of the "Time Value of Money" concept in business.
- Demonstrate a basic knowledge of the mathematics of pricing.
- Calculate performance measures for investments such as stocks, bonds or mutual funds.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

BUS 55
Introduction to Entrepreneurship

5.0 Units

A practical study of the operations and essential skills required in small and start-up businesses. Emphasis on the opportunities and problems faced by entrepreneurs in obtaining, managing and financing an independent business. This course will prepare students for developing business plans.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Examine the steps required, the support available, and the tactics commonly employed by entrepreneurs starting a business.
- Critically evaluate business plans in terms of feasibility, investment potential, risk, and completeness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

BUS 56
Human Relations in the Workplace

5.0 Units

This course examines human relations and behavior in organizations, emphasizing personal

and interpersonal relationships. Students will learn about motivation, communication skills, leadership skills, emotional and physical wellness, diversity, and ethical behavior for promoting effectiveness on the job.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Apply human relations theories to varied workplace situations and discuss the likely results.
- Describe the impact of employees' human relations skills, ethical choices, attitudes, and physical and mental wellbeing on the success of an organization.
- Make ethical decisions by demonstrating personal and organizational social responsibility.
- Describe the value of diversity in today's workplace.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

BUS 57
Human Resource Management

5.0 Units

This is an introductory course designed to teach the fundamental components of the human resource function. It will focus on understanding and applying various roles of human resources (recruitment, ethical and legal issues, selection, assessment and development, compensation, benefits) provided to employees and the organization to meet individual, organizational diversity and societal objectives.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Examine Human Resources (HR) practices and how they affect employee performance, motivation, and the firm.
- Appraise the impact of HR as a strategic partner with corporate executive leadership to achieve competitive advantage in the marketplace.
- Compare HR functions to formulate critical written and oral analysis of current global HR challenges.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

BUS 58
The Business Plan

4.0 Units

Learn how to effectively organize the resources required to establish a new business and obtain financing by writing an analysis of the prospective business enterprise.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
BUS 55

Student Learning Outcomes
- Develop and conduct a feasibility study analysis for a business plan.
- Write a business plan and deliver an effective presentation to potential investors.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

BUS 60
International Business Management

5.0 Units

International Business and its functions in a diverse global economy. Understanding cross-border trade and investment; distance, time zone and language issues; national differences in government regulation, culture, and business systems.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Examine a country's economic, political, legal, social and cultural conditions and assess its business risks and opportunities.
- Explain the roles of international trade, foreign investment and the global monetary system.
- Evaluate a global business scenario and determine the best courses of action.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0

Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

BUS 65
Leadership

5.0 Units

This course will teach students to develop effectiveness in leadership situations, understand the complex challenges of leadership, and adapt leadership techniques to build successful relationships in a culturally diverse world.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Compare, contrast and demonstrate leadership behaviors.
- Distinguish the roles, interaction and impact of the leader, the follower and the situation in the leadership model.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

BUS 70
Principles of E-Commerce

5.0 Units

Theory and practice of effectively conducting and managing business over the Internet. Insights into e-commerce models, strategy, technology, auctions, and marketing. Students are expected to complete computer assignments.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Analyze and evaluate e-commerce business models including B2C, B2B, P2P, and others.
- Compare and contrast e-commerce strategies, including social and mobile marketing, payment processing, and security.
- Identify and explain fundamental website tools, including design tools, programming tools, and data processing tools required for the implementation of a successful e-commerce business.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

BUS 73
International Marketing

5.0 Units

An introduction to the marketing practices that organizations employ when operating across national borders, with a focus on foreign marketing environments, people, and cultures and their influences on the total marketing process.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Identify and evaluate the challenges presented by various dimensions of marketing environments in foreign markets.
- Examine and assess global marketing opportunities, and identify appropriate market entry strategies.
- Develop an international marketing strategic plan for a product or service or business using the strategic marketing mix elements of product, distribution, price and promotion.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

BUS 85
Business Communication

3.0 Units

Application of writing skills to business communications; public relations functions of business correspondence.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Describe and apply the principles of written and verbal business communications.
- Develop and use a variety of communication strategies that are effective in different business situations.
- Identify the most effective written and oral communication skills that fit personal communication style and situation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)

12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

BUS 87
Introduction to Selling

4.0 Units

This course introduces the principles and practices of effective selling and includes the topics of the selling process, sales research, sales communication, and sales ethics.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Identify and describe each of the steps in the seven step selling process model, explain the purpose of each step, and describe the essential elements of successful execution of each step.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

BUS 89
Advertising

5.0 Units

Advertising as human communication; historic, economic, and social aspects of advertising; why organizations use advertising; role of advertising agency; creative strategy (developing messages through art and copy) and media strategy (deciding where and when to place the messages); development of advertising budgets; analysis and creation of successful advertising campaigns.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Relate contemporary advertising to the classic human communication model.
- Distinguish advertising from other elements of integrated marketing communications (IMC) and explain its role in an organization's marketing strategy.
- Identify the major social and economic aspects of advertising in the U.S. and contrast those with the role of advertising in other countries.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

BUS 90
Principles of Marketing

5.0 Units

Fundamentals of marketing: product planning and development; pricing strategies; and marketing channels.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Analyze the effectiveness of the marketing mix (product, price, promotion and distribution) for a particular organization.
- Determine appropriate market segments and target markets and explain consumer behavior.
- Identify global forces external to the organization that affect marketing strategies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

BUS 91
Introduction to Personal Finance

4.0 Units

This course analyzes a variety of texts, models, and theories relating to core personal finance concepts including budgeting, saving, borrowing, investing and risk management. Students will practice applying quantitative reasoning tools to answer personal financial planning questions relating to money management, tax strategy, consumer credit, purchasing decisions, insurance, investing, retirement and estate planning.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate a knowledge of opportunity costs and the time value of money.
- Prepare, explain and analyze personal financial statements including the balance sheet and cash flow statement.
- Analyze and evaluate various savings, investment, and insurance options.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

BUS 94
Social Media Marketing Strategies

5.0 Units

This course will explore social media as an effective delivery platform in marketing, specifically in promotion programs and product/service delivery. It will also analyze the strengths and weaknesses of major platforms and analytical tools and evaluate the cost-effectiveness and impacts on the overall marketing objectives of a business. There will be an emphasis on customer relationship-building, public relations, event marketing, and sales promotions using social media tactics in developing effective, ethical social media marketing strategies.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly BUS D059.)

Advisory(ies)
- EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL D005.
- MATH 210 or equivalent.

Advisory(ies)
BUS 90

Student Learning Outcomes
- Analyze relationship building with target customers and diverse partners and design a social media plan likely to produce favorable outcomes.
- Examine a wide variety of cost-effective promotion tools.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

BUS 96
Principles of Management

5.0 Units

Roles, functions, and responsibilities of management; the external environments and their impact on management.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Examine the functions of planning, organizing, leading, staffing and controlling.
- Evaluate and anticipate the potential effectiveness of various management styles, communications and decisions for a given situation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

C D 10G
Child Development (The Early Years)

4.0 Units

An introductory course that examines the major physical, psychosocial and cognitive/language developmental milestones for children, both typical and atypical, from conception through middle childhood. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages.(This course meets NAEYC Standards 1 and 3; NBPTS Standards 1 and 4; and CEC Standards 1, 2 and 3.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Investigate how the study of child development fits into the broader field of scientific research.
- Demonstrate an understanding of how and why human beings change over the course of their life.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

C D 10H
Child Growth and Development (Middle Childhood and Adolescence)

4.0 Units

An introductory course that examines the major physical, psychosocial and cognitive/language developmental milestones for children, both typical and atypical, from school age through adolescence. There will be an emphasis on interactions between

maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages.(This course meets NAEYC Standards 1 and 3; NBPTS Standards 1 and 4; and CEC Standards 1, 2 and 3.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Develop a broad understanding of the behaviors and characteristics of children in middle childhood through adolescence.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

C D 12
Child, Family and Community Interrelationships

4.0 Units

An introduction to the study of the developing person in a societal context including the interrelationship of family, schools and community. Emphasis on how ecology and socialization impact development, as well as historical and socio-cultural factors. The processes of socialization and identity development will be highlighted, showing the importance of respectful, reciprocal relationships that support and empower families. (Applicable standards to this course: National Association for the Education Young Children Standards; Standard 2 Building Family and Community Relationship, Standard 4 Using developmentally effective approaches, and Standard 5 6 Becoming a Professional; National Board for Professional Teaching Standards Early Childhood Generalist Standard 2 Equity, Fairness and Diversity, Standard 7 Family, Community Partnerships and Standard 9 Reflective Practice; Council for Exceptional Children/ Division for Early Childhood Standard 9 Professional and Ethical Practice and Standard 10 Collaboration; California Early Childhood Competencies: Culture, Diversity & Equity, Family & Community Engagement, Professionalism.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Analyze theories of socialization that address the interrelationship of child, family, and community.
- Describe and assess the impact of educational, political and socioeconomic factors on children and families as well as social issues, changes and transitions that affect children, families, schools,and communities.
- Identify,describe and evaluate effective strategies that empower families and encourage family involvement in children's development including community support services and agencies available to families and children.
- Analyze one's own values, goals and sense of self as related to family history and life experiences, assessing how this impacts relationships with children and families.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

C D 50
Principles and Practices of Teaching Young Children

4.0 Units

The underlying theoretical principles of developmentally appropriate practices applied to programs, environments, and teaching strategies, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative and intellectual development for all young children. Includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics, and professional identity.(Applicable standards for this course: National Association Education Of Young Children (NAEYC) Standard 1. Promoting Child Development and Learning; 1a, 1b, and 1c; Standard 4 Using Developmentally Effective Approaches 4a, 4b, 4c and 4d; Standard 6 Becoming a Professional 6a, 6b, 6c, 6d and 6e; National Association Education of Young Children (NBPTS) Standard IV promoting Child Development and Learning; Standard IX Reflective Practice; Council for Exceptional (CEC)/ Division for Early Childhood Special Education (DEC) Standard 3 Individual learning differences; Standard 5 Learning environments and social interactions; Standard 9 Professional and ethical practice).

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Evaluate the quality of a licensed early childhood program and make appropriate recommendations based on research findings of quality indicators based on DAP standards and developmental theories.
- Demonstrate an understanding on the field of child development in providing for the developmental/foundational needs of children through quality programs and appropriate practice.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

C D 51A
Basic Student Teaching Practicum

5.0 Units

A demonstration of developmentally appropriate early childhood teaching competencies under guided supervision. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented

approaches to teaching, learning, and assessment; and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children.(This course meets the NAEYC Standards 1, 2, 3, 4, and 5; and NBPTS Standards 1 through 9.)

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
CD 10G (or PSYC 10G), D012., D050. and D054.

Student Learning Outcomes
- Demonstrate mastery of basic teaching competencies.
- Analyze the teaching process through reflection and self-assessment of teaching experiences to guide and improve practice.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	8.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	30.0	**Lecture**	60.0
Laboratory	96.0	**Laboratory**	0.0
Total	126.0	**Total**	60.0

C D 51B
Advanced Student Teaching Practicum

5.0 Units

A demonstration of advanced developmentally appropriate early childhood teaching competencies under guided supervision. Students will build on the basic teaching skills in a classroom experience to make more advanced connections between theory and practice, develop professional behaviors, and build a more comprehensive understanding of children and families. Advanced competency will include completing a child assessment.(This course meets the NAEYC Standards 1, 2, 3, 4, and 5; and NBPTS Standards 1 through 9.)

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
CD 51A

Student Learning Outcomes
- Demonstrate mastery of advanced teaching competencies.
- Analyze the teaching process through reflection and self-assessment of teaching experiences to guide and improve advanced practice.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	8.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	30.0	**Lecture**	60.0
Laboratory	96.0	**Laboratory**	0.0
Total	126.0	**Total**	60.0

C D 52
Observation and Assessment of Children

4.0 Units

The appropriate use of assessment and observational strategies to understand and document development and behavior. Recording strategies, rating systems, portfolios, and multiple assessment tools are explored.(This course meets NAEYC Standards 1a,1b,2a,2c,3a,3b,3c, 3d,6b,6c SS3, SS5 ; NBPTS Standards 3 and 4; DEC Standard 8 Assessment; CA Early Childhood Educator Competency Focus 1: Observation, Screening, Assessment and Documentation; CA ECE/Infant Family Early Childhood Mental Health Competencies Areas B and E.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate knowledge of the developmental domains through evaluation and completion of the Desired Results Developmental Profile.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

C D 53
Creative Art for the Young Child

3.0 Units

This course provides an overview of creative activities for children from infancy through the school years with an emphasis on design, presentation, and assessment of developmentally appropriate activities that use sensory, child-centered materials to enhance imagination, creative thinking, problem-solving, divergent thinking, and self-expression in young children. Special attention is given to creating a climate that supports creative exploration and the role of the teacher in promoting growth and development of creativity in every child.(This course meets NAEYC Standards 1a, 1b, 1c; 4a, 4b, 4d; NBPTS Standards I, II, IV, VI; and CDE/DEC Standards CC1- K10, CC4-S2; EC4-S1; CC7, S10, S11, S13; EC7-S2.)

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Evaluate the uses of a variety of visual arts media based on how they encourage sensory exploration, imaginative thinking and self expression in young children.
- Comprehend and articulate the multiple ways that creative experiences enhance overall development and learning in young children including problem solving, divergent thinking, social interactions and fine/gross motor skills.
- Analyze the teacher's role and responsibilities in planning, structuring and facilitating creative experiences for young children.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)

12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

C D 54
Curriculum for Early Childhood Programs

4.0 Units

Curriculum development with emphasis on planning curriculum that is emergent, developmentally and individually appropriate and inclusive for all young children through age six. Students will examine the teacher's role in supporting development by using observation and assessment strategies and emphasizing the essential role of play. Curricular areas included to be explored are: language and literacy, social and emotional learning, sensory learning, art and creativity, and math and science.

(This course meets NAEYC Standards 1 and 4; and NBPTS Standards 4, 5 and 6.)

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Design curriculum for all developmental domains that is culturally salient, developmentally appropriate, inclusive and emergent.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

C D 55
Literacy Development and Activities for the Young Child

3.0 Units

Theories of language acquisition and the process of language development in young children. Introduction to methods and materials that enhance emerging language and literacy for infants through school-age children in a culturally diverse society.(This course meets NAEYC Standards: 1a,1b,1c; 3a, 3b, 3c; 4b, 4c, 4d; NBPTS Standards 1-10 for ECE-Middle Years; DEC/CEC standards 1-8; and CA ECE Standards 1, 2, 5 and 8.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Critique language enhancement materials appropriate for infants to school-aged children.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

C D 56
Understanding and Working with English Learners

3.0 Units

Developmental and cultural examination of the dual language learner in early childhood programs. Theories and developmental sequence of bilingual language acquisition. Role of teacher and methods for supporting the young English learner.(This course meets National Association for the Education of Young Children (NAEYC) Standard 4b: Teaching and learning: Using developmentally effective approaches; National Board for Professional Teaching Standards (NBPTS) Early childhood/Generalist Standard II: Equity, Fairness and Diversity; Council for Exceptional Children (CEC) Special Education Content Standards, Standard 2: Development & Characteristics of Learners; Standard 6: Language. California Early Child Educators Competencies: Culture, Diversity and Equity and Dual Language Development.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Analyze the language development of a young English learner through assessment and observation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

C D 57
Self-Assessment for Teachers of Young Children Using Reflective Practice: Field Experience

5.0 Units

An examination of the use of self-assessment and reflective practice techniques for individualized teacher preparation with emphasis on specific types of environments, interactions that support the development of children's social-emotional, cognitive, and early academic skills. Student will use field placement to practice and develop skills.(This course meets NAEYC Standards 1, 2, 3, 4 and 5; NBPTS Standards 1 and 4; CEC Standards 2, 4, 5, 7, 9 and 10 and ECE Competencies Standards 1, 3, 4 and 7.)

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
CD 10G or PSYC 10G

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Distinguish developmentally appropriate teaching practices in a classroom setting.
- Practice awareness, self-reflection and reflective practice as necessary components of on-going professional development.
- Explain developmentally appropriate environments that support children's development.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	10.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	120.0	**Laboratory**	0.0
Total	144.0	**Total**	48.0

C D 58

Infant/Toddler Development

5.0 Units

Study of physical, cognitive, language, social and emotional development from preconception to age three, with emphasis on cultural diversity, the role of family and relationships in development. Application of theoretical frameworks to interpret behavior and the interaction between heredity and environment. Program and Individualized Family Service Plan planning based on observation of infants and communication with parents will be explored. Ways to implement assessment tool results (such as from Desired Results Developmental Profile and/or Ages and Stages surveys) will be discussed. Methods for infant and toddler care routines, the role of administration, and interpretation of observations will be explored. Best practices, responsive care giving techniques, environments, infant/toddler foundations, health, safety, and licensing requirements will be examined.(This course meets NAEYC Standards 1-5; NBPTS Standards 4 and 5; and DEC Standard 5 Family Based Practices.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Develop an understanding of typical and atypical developmental milestones from birth to three years through observation and assessment.
- Demonstrate an understanding of the importance of relationships and home culture in the care of infants and toddlers.
- Demonstrate knowledge of biological and environmental factors that influence pre-conception and prenatal health and development.
- Connect observed behaviors of children birth to 36 months to developmental concepts and theories in the physical, cognitive, language, social and emotional domains.
- Analyze the multiple contextual influences on infant and toddler development including diverse family practices and environments.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

C D 59G

Supervision and Administration of Child Development Programs (Management Systems)

4.0 Units

This course is an introduction to the administration of early childhood programs and covers program types, budget, management, regulations, laws, and the development and implementation of policies and procedures. It examines administrative tools, philosophies, and the techniques needed to organize, open, and operate an early care and education program. (This course meets NAEYC Standard 6 and California ECE Competencies: Administration & Supervision.)

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Distinguish different types of programs that are in operation in the field of early childhood. (e.g. proprietary, publicly funded, federally funded, family child care, parent cooperatives).
- Apply administration skills in various types of early care and education programs.
- Demonstrate knowledge of strategic and fiscal planning.
- Evaluate components of quality programs, facilities and operations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

C D 59H

Supervision and Administration of Child Development Programs (Leadership Skills)

4.0 Units

This course studies the methods and principles of supervision and management as they apply to the administration of programs in early childhood settings. An emphasis is placed on personnel management, supervision styles and skills, interpersonal communication, ethical and professional standards, and an awareness of the sociopolitical context of early childhood programs.(This course meets NAEYC Standard 6.)

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Analyze values and personal leadership qualities against those desired in an effective leader.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

C D 60
Introduction to Children with Special Needs

3.0 Units

Introduces the variations in development of children with special needs ages birth through eight and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to children with special needs, and the identification and referral process.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Recognize various exceptionalities and conditions of children and identify interventions based on the developmental continuum.
- Evaluate the role of history and society in shaping current policies related to best practices of inclusion and serving children with special needs.
- Communicate with families and community members in supporting inclusion of children with special needs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

C D 61
Music and Movement (Developmental Foundations)

3.0 Units

This course is a developmental introduction to music and movement experiences. Students will have opportunities to engage in and to reflect on how music and movement foster healthy development in children and adults. Students will also have opportunities to see how music and movement define and are linked to cultural experience and to who we are as individuals. (This course meets the NAEYC Standards 2,3 and 4; CCA Standards 3, 7, 8 and 11; NBPTS Standards 1, 2, 3 and 4.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Analyze the relationship between music and movement within the context of the three domains of Child Development.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

C D 63
Math and Science Activities for the Young Child

3.0 Units

This course allows students to design and assess developmentally appropriate activities and environments that foster curiosity and problem-solving in young children. An emphasis will be placed on the constructivist theories of cognitive development as a foundation for planning and implementing Science, Technology, Engineering, and Math (STEM).(This course meets NAEYC Standards 1a, 1b, 1c, 4b, 4c, 5a, 5b, 5c; NBPTS Standards I-VI; CED/DEC Standards CC4-S2, EC4-S1, CC7-K1, CC7-S1, CC7-S10, CC7-S11, CC7-S13, EC7-S4.)

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Create, plan and implement appropriate STEM curriculum for each young child.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

C D 64
Health, Safety, and Nutrition for the Young Child

4.0 Units

Introduction to the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health safety and nutrition. The key components that ensure physical health, mental health and safety for both children and staff will be identified along with the importance of collaboration with families and health professionals. Focus is put on integrating the concepts into everyday planning and program development for all children. (This course meets the California State requirements for health,safety and nutrition, National Association Education of Young Children (NAEYC) Standard 1. Promoting Child Development and Learning; 1a,1b and 1c and Standard 5. Using Content Knowledge to Build Meaningful Curriculum; 5a, 5b and 5c. National Board of Professional Teaching Standards (NBPTS) Standards 1, 3 and 4 and Council for Exceptional Children (CEC) Standards 1, 2 and 3.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Evaluate the importance of nutrition in the health and development of young children in childcare settings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

C D 67

Supervision and Administration of Child Development Programs (Adult Supervision)

3.0 Units

This course is a study of the methods and principles of supervising student teachers, assistant teachers, teachers, parents, and volunteers in early childhood classrooms. An emphasis is placed on the role of teachers supervising other adults while simultaneously addressing the classroom needs of children, parents, and the program.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Develop strategies for working with adults using relationship based supervisory practices that emphasize developmental stages, respect for differences, communication and conflict resolution techniques and providing effective feedback through observation.
- Analyze an early childhood classroom environment using the Environmental Rating Scale by observing and applying NAEYC standards.(including heath/safety, physical environment, curriculum, interactions, working with staff and parents)
- Analyze leadership and management practices of center based programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

C D 68

Teaching in a Diverse Society

4.0 Units

Examination of the development of social identities in diverse societies including theoretical and practical implications of oppression and privilege as they apply to young children, families, programs, classrooms and teaching. Various classroom strategies will be explored emphasizing culturally and linguistically appropriate anti-bias approaches supporting all children in becoming competent members of a diverse society. Includes a self-examination and reflection on issues related to social identity, stereotypes and bias, social and educational access, media and schooling.(This course meets NAEYC Standards 1a, 1b, 1c, 2a, 2b, 2c, 4a, 4b, 5b, 5c; NBPTS Standards II, VII; CEC/DEC Standards CC2-K3, CC2-K4, EC2-K4, CC3-K3, CC3-K4, CC5-K9, CC5-K10, CC6-K1, CC6-K2, CC6-K3, CC9-K1, CC9-S6, CC10-S3.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Examine the development of social identities in diverse societies, comparing oppression and privilege as they apply to young children, families, and child care programs.
- Analyze components of linguistically/culturally relevant, inclusive anti-bias approaches to curriculum and programs that promote optimal learning and development of children.
- Evaluate the impact of social identities and personal experiences on teaching effectiveness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

C D 70

Seminar in Parenting the Preschool Child

1.0 Units

A seminar for parents, teachers and other adults interested in the parenting of children, primarily (but not exclusively) two to five years old. Students will explore and examine the ways to strengthen families. Students will also learn about optimal environments to support the healthy growth and development of children and parents.(This course meets the NAEYC Standard 2; NBPTS Standard 7; and DEC/CEC Standard 3.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Examine the ages and stages of child development as it relates to children's behavior.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

C D 71
Constructive Guidance and Positive Discipline in Early Childhood

3.0 Units

Explores the principals and techniques that promote high self-esteem and positive behaviors in young children.(This course meets NAEYC Standards 1a,1c,2a,2b,2c,3a,3b,4a, 4b,4c,4d,5c,6b,6e, SS3,SS4,SS5; DEC/CEC Standards CC3-K3, EC3-S1, CC6-K3; NBPTS Standard 2; and EIA Reflective Practice 2, 3, 8, 9.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Create prosocial environments that prevent discipline problems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

C D 72
Partnerships with Families in Early Childhood Education

3.0 Units

This course examines key principles and effective approaches in joining with and involving families in promoting children's learning, development, and success in early childhood education settings.(This course meets NAEYC Standard 2; NBPTS Generalist Standard VII; CEC/DEC Standard 10; and CA Early Childhood Competencies: Family and Community Engagement, and Relationships, Interaction and Guidance.)

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Develop knowledge of how to integrate family centered practice into the early care and education environment.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

C D 73
Early Childhood Mental Health

3.0 Units

Examination of mental health milestones at each stage of a child's development. Overview of psychological theory in infant/early childhood mental health. Assessment and screening to identify early childhood mental health challenges. Implementation of mental health interventions and strategies. An exploration of how early experiences in the first five-years of life can impact the physical and psychological development and well-being of children throughout the lifespan.(This course meets National Association for the Education of Young Children (NAEYC) Standard 1: Promoting Child Development and Learning; Standard 3: Observing, Documenting and Assessing to Support Young Children and Families; National Board for Professional Teaching Standards (NBPTS) Early Childhood/General Standards, 2nd Ed. Standard I: Understanding Young Children, Standard III: Assessment, Standard VI: Multiple Teaching Strategies for Meaningful Learning; and Council for Exceptional Children (CEC) Special Education: Standard 2: Development and Characteristics of Learners, Standard 4 Instructional Strategies.)California Early Child Educators Competencies: Relationships, Interactions,and Guidance and Preschool Learning Foundations Vol 1- Child Development.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Analyze the impact of trauma and informed care practices on the physical and psychological well being of adults and children in childhood setting.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

C D 74
Early Childhood Mental Health Seminar and Fieldwork

3.0 Units

Provides an overview of different approaches to early identification and intervention with children and their families and will help students develop basic support skills for use in dealing with high-risk families, including those with exceptional emotional, social, or physical needs. (This course meets National Association for the Education of Young Children (NAEYC) Standard 3, Standard 4b; National Board for Professional Teaching Standards (NBPTS) Early Childhood/Generalist Standard I, III, VI, IX; and Council for Exceptional Children (CEC) Special Education Content Standards, Standards 4, 5 and 8.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Using a reflective practice model, to reflect after, before and in action, identify the meaning of a child's behavioral concerns as well as consideration of the underlying reason for concerning behavior, including the possible contributing factors: stress, trauma, emotional needs,environment, curriculum, individual development, temperament and relationships.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

C D 75
Social Emotional Development in Early Childhood

3.0 Units

Social emotional development and how peer, family, gender, teachers and society influence this development. The impact of variations in development on learning and life outcomes.(This course meets National Association for the Education of Young Children (NAEYC) Standards 1a, 1b, 1c, 2b, 4a; Council for Exceptional Children/ Division for Early Childhood Standards CC2-K1; National Board for Professional Teaching Standards 1 and 4; the California Early Start Early Intervention Assistant competencies; and the California Personnel Competencies in Infant-Family and Early Childhood Mental Health.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Investigate psychosocial development in infancy through early childhood.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

C D 76
Trauma and Early Childhood Development

4.5 Units

Provides an overview of trauma-informed care in early childhood education, including the impact of trauma on the developing child, protective and resiliency factors, and the benefits and opportunities of partnering families. It explores the impacts of early childhood traumatic experiences on physical, cognitive, and psychological development throughout the lifespan. (This course meets NAEYC Standard 1: Promoting Child Development and Learning & Standard 3: Observing, Documenting and Assessing to Support Young Children and Families.) (This course is aligned with California Early Childhood Educator Competencies 1, 2, 3 & 4. This course is aligned with California Center for Infant-Family and Early Childhood Mental Health-Reflective Practice Facilitator I.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Investigate the impact of trauma on physical, cognitive, emotional and psychological development in early childhood.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

C D 77
Special Projects in Child Development

0.5 Units

Offers an in-depth exploration of a special topic, issue or trend in the early childhood education field. It involves researching of a topic of interest to the student. Research may include a review of the literature, interviews and other fieldwork such as exploring community resources or investigating a common teaching practice for effectiveness. Meets the variable needs of students, the early childhood industry and community, and responds to a current issue, technique, or discourse.(This course meets NAEYC Standard 4c, Understanding Content Knowledge in ECE and Standard 5, Becoming a Professional; NBPTS Standards IX, Reflective Practice; and DEC-CEC Standard 9 Professional & Ethical Practice; ECE Competencies Professionalism.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Apply research strategies and techniques to complete a proposed project of study.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

C D 77W

Special Projects in Child Development

1.0 Units

Offers an in-depth exploration of a special topic, issue or trend in the early childhood education field. It involves researching of a topic of interest to the student. Research may include a review of the literature, interviews and other fieldwork such as exploring community resources or investigating a common teaching practice for effectiveness. Meets the variable needs of students, the early childhood industry and community, and responds to a current issue, technique, or discourse.(This course meets NAEYC Standard 4c, Understanding Content Knowledge in ECE and Standard 5, Becoming a Professional; NBPTS Standards IX, Reflective Practice; and DEC-CEC Standard 9 Professional & Ethical Practice; ECE Competencies Professionalism.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Apply research strategies and techniques to complete a proposed project of study.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

C D 77X
Special Projects in Child Development

2.0 Units

Offers an in-depth exploration of a special topic, issue or trend in the early childhood education field. It involves researching of a topic of interest to the student. Research may include a review of the literature, interviews and other fieldwork such as exploring community resources or investigating a common teaching practice for effectiveness. Meets the variable needs of students, the early childhood industry and community, and responds to a current issue, technique, or discourse.(This course meets NAEYC Standard 4c, Understanding Content Knowledge in ECE and Standard 5, Becoming a Professional; NBPTS Standards IX, Reflective Practice; and DEC-CEC Standard 9 Professional & Ethical Practice; ECE Competencies Professionalism.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Apply research strategies and techniques to complete a proposed project of study.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

C D 77Y
Special Projects in Child Development

3.0 Units

Offers an in-depth exploration of a special topic, issue or trend in the early childhood education field. It involves researching of a topic of interest to the student. Research may include a review of the literature, interviews and other fieldwork such as exploring community resources or investigating a common teaching practice for effectiveness. Meets the variable needs of students, the early childhood industry and community, and responds to a current issue, technique, or discourse.(This course meets NAEYC Standard 4c, Understanding Content Knowledge in ECE and Standard 5, Becoming a Professional; NBPTS Standards IX, Reflective Practice; and DEC-CEC Standard 9 Professional & Ethical Practice; ECE Competencies Professionalism.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Apply research strategies and techniques to complete a proposed project of study.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

C D 79
Implementation of Trauma Informed Care and Field Experience

4.5 Units

An introduction to trauma informed care, approaches for implementation including the assessments of the program. This course will focus on trauma informed practices for administrators, teachers and parents. Students will use field placement to practice and develop skills.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate the application of trauma-informed practices in working with children and families and within the organization.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

C D 80
Design, Program Development, and Daily Operation of Family Child Care

3.0 Units

This course provides an overview of family childcare as a business and as a program for children. Starting your own childcare business, budget and contracts, licensing and safety requirements will be addressed. Relevant program issues such as designing indoor/outdoor environments, daily schedule, curriculum, child guidance, accommodations for all children, and parent partnerships will be presented.(This course meets NAEYC Standards 1, 2, 3, 4, and 5; NBPTS Standards 1, 2, 3 and 4; CCA Standards 1, 2, 6, 7, 8, 9, 11 and 12.)

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Evaluate the variety of procedures on setting and preparing for a home base child care program.
- Examine the multiple ways to create and design an early childhood program including problem solving, critical thinking and social interactive skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

C D 90
Facilitating Inclusion in Early Childhood Programs: Intervention Strategies

3.0 Units

Expands upon a student's ability to work effectively with all children in early childhood programs and more specifically with infants, toddlers and preschoolers with disabilities and other special needs in inclusive environments. Focus will include theories, research, and practical applications of best practices from both the fields of Early Childhood Education and Early Intervention/Early Childhood Special Education. Students will learn to design practical and effective intervention strategies for individual children with special needs within the context of natural environments and will learn to work in collaboration with IFSP/IEP teams. (This course meets NAEYC Standards 1a, 1c, 2b, 3a, 3b, 3d, 4b; CEC/DEC Standards CC3-K4, CCK-5, CC4-S1-6, EC4-S1-3, CC5-K3, CC5-S1-5; and NBPTS Standards 2 and 4; California Early Childhood Educator Competencies: Competency Area 7: Performance Areas: 1-4; California Interagency Coordination Council in Early Intervention, Early Intervention Assistant level competencies.)

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
CD 10G (or PSYC 10G) and CD 60

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Complete a child's assessment and present preliminary intervention strategies for the child.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

C D 101W
Current Issues in Child Development

1.0 Units

This course is an in-service workshop for teachers, aides, and parent volunteers to increase awareness of contemporary professional issues in Child Development. Course topics will vary based on the contemporary issues in Child Development and professional practice in the field of education.

Course Information

Transferability
Not transferable

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Investigate and critique a current issue or group of issues related to Child Development.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

C D 101X
Current Issues in Child Development

2.0 Units

This course is an in-service workshop for teachers, aides, and parent volunteers to increase

awareness of contemporary professional issues in Child Development. Course topics will vary based on the contemporary issues in Child Development and professional practice in the field of education.

Course Information

Transferability
Not transferable

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Investigate and critique a current issue or group of issues related to Child Development.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

C D 101Y
Current Issues in Child Development

3.0 Units

This course is an in-service workshop for teachers, aides, and parent volunteers to increase awareness of contemporary professional issues in Child Development. Course topics will vary based on the contemporary issues in Child Development and professional practice in the field of education.

Course Information

Transferability
Not transferable

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Investigate and critique a current issue or group of issues related to Child Development.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

C D 101Z
Current Issues in Child Development

4.0 Units

This course is an in-service workshop for teachers, aides, and parent volunteers to increase awareness of contemporary professional issues in Child Development. Course topics will vary based on the contemporary issues in Child Development and professional practice in the field of education.

Course Information

Transferability
Not transferable

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Investigate and critique a current issue or group of issues related to Child Development.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

C D 102W
Curriculum for Child Development Personnel

1.0 Units

This course is an in-service workshop for teachers, aides, and parent volunteers to improve skills and knowledge in the area of curriculum for child development personnel. Course topics will vary depending on subject matter relating curriculum for child development personnel.

Course Information

Transferability
Not transferable

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Develop new skills and knowledge in selected areas of curriculum for child development personnel.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0

Total	12.0	**Total**	24.0

C D 102X

Curriculum for Child Development Personnel

2.0 Units

This course is an in-service workshop for teachers, aides, and parent volunteers to improve skills and knowledge in the area of curriculum for child development personnel. Course topics will vary depending on subject matter relating curriculum for child development personnel.

Course Information

Transferability
Not transferable

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Develop new skills and knowledge in selected areas of curriculum for child development personnel.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

C D 102Y

Curriculum for Child Development Personnel

3.0 Units

This course is an in-service workshop for teachers, aides, and parent volunteers to improve skills and knowledge in the area of curriculum for child development personnel. Course topics will vary depending on subject matter relating curriculum for child development personnel.

Course Information

Transferability
Not transferable

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Develop new skills and knowledge in selected areas of curriculum for child development personnel.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

C D 102Z

Curriculum for Child Development Personnel

4.0 Units

This course is an in-service workshop for teachers, aides, and parent volunteers to improve skills and knowledge in the area of curriculum for child development personnel. Course topics will vary depending on subject matter relating curriculum for child development personnel.

Course Information

Transferability
Not transferable

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Develop new skills and knowledge in selected areas of curriculum for child development personnel.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

C D 103W

Topics in Preschool Program Administration

1.0 Units

This course is an in-service workshop for program directors, site supervisors, headteachers, or others with administrative or supervisory responsibility to improve skills and knowledge in the area of Child Development program administration. Course topics will vary.

Course Information

Transferability
Not transferable

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Develop new skills and knowledge to be applied to preschool administrative issues.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours | Course Out-of-Class Hours

Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

C D 103X

Topics in Preschool Program Administration

2.0 Units

This course is an in-service workshop for program directors, site supervisors, headteachers, or others with administrative or supervisory responsibility to improve skills and knowledge in the area of Child Development program administration. Course topics will vary.

Course Information

Transferability
Not transferable

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Develop new skills and knowledge to be applied to preschool administrative issues.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

C D 103Z

Topics in Preschool Program Administration

4.0 Units

This course is an in-service workshop for program directors, site supervisors, headteachers, or others with administrative or supervisory responsibility to improve skills and knowledge in the area of Child Development program administration. Course topics will vary.

Course Information

Transferability
Not transferable

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Develop new skills and knowledge to be applied to preschool administrative issues.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

C D 103Y

Topics in Preschool Program Administration

3.0 Units

This course is an in-service workshop for program directors, site supervisors, headteachers, or others with administrative or supervisory responsibility to improve skills and knowledge in the area of Child Development program administration. Course topics will vary.

Course Information

Transferability
Not transferable

Prerequisite(s)
CD 10G or PSYC 10G (may be taken concurrently) and C D D050. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Develop new skills and knowledge to be applied to preschool administrative issues.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours

Course Out-of-Class Hours

CETH 8

Women of Color in the USA

4.0 Units

This course is an interdisciplinary, multi-perspective, and comparative study of the experiences of women of color in the United States. The constructs of race, ethnicity, class, gender, and sexuality as they relate to social institutions and national ideologies will be explored. The examination and analysis of the historical, political, and economic influences that have informed the relationships between women of color and white women in the U.S.A, is foundational to this course.

Course Information

Transferability
Transferable to both UC and CSU

Student Learning Outcomes
- Analyze and explain the social construction of race, class, gender, and sexuality and the impact of racism, sexism, classism, and hetero-sexism on Women of Color in the U.S.by critiquing the multiple identities within ourselves and in the larger society.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0

Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CETH 8

Women of Color in the USA

4.0 Units

This course is an interdisciplinary, multi-perspective, and comparative study of the experiences of women of color in the United States, including African American, Asian American Pacific Islander, Latina, and Native American women. The constructs of race, ethnicity, class, gender, and sexuality as they relate to social institutions and national ideologies will be explored. The examination and analysis of the historical, political, and economic influences that have informed the relationships between women of color and white women in the U.S.A., is foundational to this course.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Analyze and explain the social construction of race, class, gender, and sexuality and the impact of racism, sexism, classism, and hetero-sexism on Women of Color in the U.S.by critiquing the multiple identities through an intersectional lens.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CETH 10

Race, Ethnicity and Inequality

4.0 Units

This ethnic studies course is an interdisciplinary examination of major concepts and controversies in the study of race, racial inequality, and racism in the United States. Students will explore race and ethnicity as historical and contemporary categories of identification, focusing on the lived experiences and racialized subordination of African Americans, Asian Americans, Latinx Americans, and Native Americans. Students will analyze intersecting processes of subordination, paying attention to race, class, gender, religion, national origin, citizenship, and language. Students will examine resistance, community organizing, social movements, and policy debates to assess and engage in efforts for racial equity, social justice, and self-determination.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Analyze and articulate the concepts of race, racialization, ethnicity, racism, equity, and anti-racism in relation to class, gender, sexuality, religion, spirituality, national origin, immigrant status, citizenship, sovereignty, and/or language by researching a contemporary pattern of racialized inequality pertaining to one or more of the following groups: African Americans, Asian Americans, Native Americans, and Latina and Latino Americans.
- Describe and actively engage with an anti-racist and anti-colonial issue, practice, community-based movement, and/or policy debate through community involvement and/or participant observation, primary and secondary source research, and critical review of the experiences and enactments of Native Americans, African Americans, Asian Americans and/or Latina and Latino Americans in a current struggle for a just and equitable society.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CETH 11

Race and Ethnicity: Belonging and Exclusion in the U.S.

4.0 Units

This course examines race and ethnicity as systematized practices of social classification used to determine belonging and exclusion of groups in the United States. It includes a thematic emphasis on citizenship and immigration, with historical and contemporary comparisons, and the application of theories, concepts, and frameworks towards the analysis of race and ethnicity in local contexts.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ICS D009.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Apply theories, concepts, and methodological approaches to analyzing race and ethnicity in relation to processes of inclusion and exclusion in the U.S., with emphasis on conditions of citizenship and immigration.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CETH 13

History of Art (Multicultural Arts in the United States)

4.0 Units

This is a cross-cultural introduction to American art history, with an interdisciplinary analysis of diverse art forms generated by artists of color, including African Americans, Asian Americans, Native Americans, Latinx/Chicanx, and Americans of non-European heritage. Significant attention will be given to topics considered important by each ethnicity or group, as well as issues related to racism, gender, social class, and contemporary social and political awareness. Traditions, values, and cultural expressions of diverse societies and their contributions to American visual culture are explored. Emphasis is placed upon the visual arts as a source of student empowerment, self-determination, decolonization and liberation in support of equity, and diversity, in anti-racist work and through civic engagement and activism.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(CETH D013. was formerly ICS D005.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Students will demonstrate critical analysis based upon social constructs of race, class, ethnicity, gender and other factors of identity to gain cultural competence in a local, national and global context.
- Students will identify, examine and authenticate the values, experiences and cultural contributions of marginalized populations in the United States.
- Students will critically analyze and evaluate diverse scholarly perspectives in Multicultural art history.
- Students will apply skills demonstrating their abilities to analyze artworks on the basis of social, cultural, political, economic and/or ethnic contexts and issues relevant to gender studies.
- Students will demonstrate critical thinking and visual literacy skills through oral communication.
- Students will write a research paper utilizing her or his ability to analyze, evaluate and synthesize primary and secondary sources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CETH 19

Masculinities in U.S. Culture and Society

4.0 Units

An interdisciplinary and intersectional study of masculinities within US culture and society from the post-Civil Rights era to the present. Special attention will be given to how masculinity is constructed along axes of race, sexuality, class, nation and ability.

Course Information

Transferability
Transferable to both UC and CSU

Student Learning Outcomes

- Develop an understanding of the differences between biological sex, gender expression, and gender identity, along with how these social categories function within larger economic and political landscapes informed by race, class, ethnicity, citizenship, physical abilities, and sexuality.
- Analyze how key social, political, and economic events inform public discourse around definitions of masculinity and the framing of masculinity as being in crisis.
- Critically analyze key cultural works aimed at resisting dominant or hegemonic forms of masculinity within and across different racial and ethnic groups, including Asian American Pacific Islander, African American, Latino, and Native American men.
- Research local organizations which support the goals of men of color, specifically Asian American Pacific Islander, African American, Latino, and Native American men, and engage in community activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CETH 19

Masculinities in U.S. Culture and Society

4.0 Units

This is an interdisciplinary and intersectional study of masculinities within US culture and society from the post-Civil Rights era to the present. Special attention will be given to how masculinity is constructed along axes of race and ethnicity including African American, Asian American Pacific Islander, Latinx, and Native American, as well sexuality, class, and ability.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Develop an understanding of the differences between biological sex, gender expression, and gender identity, along with how these social categories function within larger economic and political landscapes informed by race, class, ethnicity, citizenship, physical abilities, and sexuality.
- Analyze how key social, political, and economic events inform public discourse around definitions of masculinity and the framing of masculinity as being in crisis.
- Critically analyze key cultural works aimed at resisting dominant or hegemonic forms of masculinity within and across different racial and ethnic groups, including Asian American Pacific Islander, African American, Latino, and Native American men.
- Research local organizations which support the goals of men of color, specifically Asian American Pacific Islander, African American, Latino, and Native American men, and engage in community activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CETH 29
Ethnic Studies, Cultural Pluralism, and American Law and Justice

4.0 Units

This course is an interdisciplinary study of marginalized peoples and their relationship to the law. The course examines the legal perspective on cultural diversity in the United States by examining groups based on race, ethnicity, gender, class, religious background, disability, and sexual orientation. It also analyzes how these groups interact with mainstream society through American law, concentrating on both historical and contemporary state and federal legislation and court rulings, along with how the courts play a role in determining the status of minority groups and the effect of the law on cultural pluralism and cultural diversity in the United States.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Think critically about and analyze the effect court rulings and legislation have on cultural diversity/cultural pluralism in the United States today.
- Think critically about concepts such as race/ethnicity, racialization, ethnocentrism, eurocentrism, white supremacy, settler colonialism, decolonization, sovereignty, and anti-racism, and the effects on Native American, Native Hawaiian, African American, Latinx/Chicanx, and Asian American group experiences, social struggles, and resistance emphasizing agency and group affirmation; analyze the impact on the group's current power and status within U.S. society.
- Analyze critically the intersection of race and racism as they relate to class, gender, sexuality, religion, spirituality, national origin, immigration status, ability, tribal citizenship, sovereignty, language, and/or age in Native American, African American, Asian American, and Latinx/Chicanx American communities.
- Review critically how struggle, resistance, and racial and social justice as experienced by Native American, African American, Asian American, and Latinx/Chicanx American communities are relevant to current and structural issues, especially as seen in law and policy in areas such as tribal rights and sovereignty, immigration, language, voting, and housing.
- Apply theory and knowledge produced by Native American, African American, Asian American, and/or Latinx/Chicanx American communities to describe the critical events, histories, cultures, intellectual traditions, contributions, lived-experiences and social struggles of those groups with a particular emphasis on agency and group-affirmation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CETH 50
Civic Leadership for Community Empowerment

4.0 Units

This course is an introduction to Asian American studies through civic leadership, while also exploring community empowerment as theory and practice in public service--especially in the government, nonprofit, and education sectors. Students will examine the political economy of community development through history and contemporary community of Asian Americans and other underrepresented races/cultural groups in Silicon Valley. The course engages students in understanding the ecology of civic engagement, civic leadership, and reflecting on their personal paths for civic involvement.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Formerly Statement
(Formerly ASAM D050.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Demonstrate understanding of public service and leadership in government, non-profit, and educational sectors.
- Research a topic related to civic engagement and leadership in Silicon Valley.
- Formulate a personal plan to guide civic journey.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CHEM 1A
General Chemistry

5.0 Units

This course provides an introduction to the structure and reactivity of matter at the molecular level, as well as an application of critical reasoning to modern chemical theory and structured numerical problem-solving. Students will learn the development of molecular structure from rudimentary quantum mechanics, including an introduction to ionic and covalent bonding; chemical problem solving involving both formula and reaction stoichiometry employing the unit analysis method, and be introduced to thermochemistry and a discussion of the first law of thermodynamics.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CHEM 25 or CHEM 30A or satisfactory score on the Chemistry Placement Test; MATH 114 or MATH 130 or equivalent

Advisory(ies)

EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Identify and explain trends in the periodic table.
- Construct balanced reaction equations and illustrate principles of stoichiometry.
- Apply the first law of thermodynamics to chemical reactions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

CHEM 1AH
General Chemistry - HONORS

5.0 Units

This course provides an introduction to the structure and reactivity of matter at the molecular level, as well as an application of critical reasoning to modern chemical theory and structured numerical problem-solving. Students will learn the development of molecular structure from rudimentary quantum mechanics, including an introduction to ionic and covalent bonding; chemical problem-solving involving both formula and reaction stoichiometry employing the unit analysis method, and be introduced to thermochemistry and a discussion of the first law of thermodynamics. Additionally, this course is part of the Honors Program.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CHEM 25 or CHEM 30A or satisfactory score on the Chemistry Placement Test; MATH 114 or MATH 130 or equivalent

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Identify and explain trends in the periodic table.
- Construct balanced reaction equations and illustrate principles of stoichiometry.
- Apply the first law of thermodynamics to chemical reactions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

CHEM 1B
General Chemistry

5.0 Units

Continuation of an introduction to the principles of chemistry. Investigation of intermolecular forces and their effects on chemical and physical properties. Investigation of reversible reactions from the standpoints of kinetics, thermodynamics, and equilibrium. Investigation and application of gas laws and kinetic molecular theory.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CHEM 1A or CHEM 1AH with a grade of C or better

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Evaluate the principles of molecular kinetics.
- Apply principles of chemical equilibrium to chemical reactions.
- Apply the second and third laws of thermodynamics to chemical reactions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

CHEM 1BH
General Chemistry - HONORS

5.0 Units

Continuation of an introduction to the principles of chemistry. Investigation of intermolecular forces and their effects on chemical and physical properties. Investigation of reversible reactions from the standpoints of kinetics, thermodynamics, and equilibrium. Investigation and application of gas laws and kinetic molecular theory. Note: This course is part of the Honors Program.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CHEM 1A or CHEM 1AH with a grade of C or better

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Evaluate the principles of molecular kinetics.
- Apply principles of chemical equilibrium to chemical reactions.
- Apply the second and third laws of thermodynamics to chemical reactions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

CHEM 1C
General Chemistry and Qualitative Analysis

5.0 Units

This is the third and final quarter in the year long General Chemistry sequence. In this class, advanced equilibrium concepts pertaining to solubility and buffers will be discussed. This will be followed with an introduction to electrochemistry, the chemistry of transition metals, and nuclear chemistry.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CHEM 1B or CHEM 1BH with a grade of C or better

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Apply the principles of equilibrium and thermodynamics to electrochemical systems.
- Apply the principles of transition metail chemistry to predict outcomes of chemical reactions and physical properties.
- Evaluate isotopic decay pathways.
- Demonstrate a knowledge of intermolecular forces.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

CHEM 1CH
General Chemistry and Qualitative Analysis - HONORS

5.0 Units

This is the third and final quarter in the year long General Chemistry sequence. In this class, advanced equilibrium concepts pertaining to solubility and buffers will be discussed. This will be followed with an introduction to electrochemistry, the chemistry of transition metals, and nuclear chemistry. Note: This course is part of the Honors Program.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CHEM 1B or CHEM 1BH with a grade of C or better

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Apply the principles of equilibrium and thermodynamics to electrochemical systems.
- Apply the principles of transition metail chemistry to predict outcomes of chemical reactions and physical properties.
- Evaluate isotopic decay pathways.
- Demonstrate a knowledge of intermolecular forces.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

CHEM 10
Introductory Chemistry

5.0 Units

This is an introduction to the discipline of chemistry, including chemical laboratory techniques and methods and a survey of important chemical principles. The course emphasizes chemistry as a subject of scientific inquiry and is designed to give the student a general appreciation for chemistry as a science.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes
- Develop problem solving techniques by applying the "Scientific Method" to chemical data.
- Analyze and solve chemical questions utilizing information presented in the periodic table of the elements.
- Evaluate current scientific theories and observations utilizing a scientific mindset and an understanding of matter and the changes it undergoes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0

Total	84.0	**Total**	96.0

CHEM 12A

Organic Chemistry

5.0 Units

This is an introduction to the physical properties and chemical behavior of important classes of organic compounds, focusing on hydrocarbons and haloalkanes. Topics include retrosynthesis, spectroscopic structure determination, and the reaction mechanism. Laboratory experiments will involve the synthesis of simple compounds and the characterization of those compounds using gas chromatography (GC), and infrared (IR), and nuclear magnetic resonance (NMR) spectroscopy. This course is for chemistry majors or those in closely-allied fields such as biochemistry and chemical engineering.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CHEM 1C or CHEM 1CH with a grade of C or better

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Predict products in reactions of alkanes, haloalkanes and alkenes by applying concepts from General Chemistry.
- Generate logical stepwise reaction mechanisms for simple organic reactions.
- Construct molecular structures from IR and 1H NMR data.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

CHEM 12B

Organic Chemistry

5.0 Units

This course explores the physical properties and chemical behavior of important classes of organic compounds, focusing on alkynes, polyenes, aromatic compounds; alcohols, thiols, and ethers; and aldehydes and ketones and their derivatives. Retrosynthesis, spectroscopic structure determination, and the reaction mechanism will be examined in the course. Laboratory experiments will involve the synthesis of simple compounds and the characterization of those compounds using chromatography and infrared (IR), ultraviolet-visible (UV-Vis), and nuclear magnetic resonance (NMR) spectroscopy. This course is for chemistry majors or those in closely-allied fields such as biochemistry and chemical engineering.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CHEM 12A with a grade of C or better

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Construct logical multi-step syntheses for organic molecules.
- Use Molecular Orbital theory and Resonance to explain reactions of benzene and other molecules with conjugated π systems.
- Increase breadth of knowledge of organic reactions to include functional groups containing oxygen, benzene and more complex π systems.
- Construct molecular structures of increasingly complex molecules from IR, 1H NMR, and 13C NMR data.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

CHEM 12C

Organic Chemistry

5.0 Units

This is an exploration of the physical properties and chemical behavior of important classes of organic compounds, focusing on amines, carboxylic acids, and carboxylic acid derivatives, with an introduction to the chemistry of terpenes, lipids, carbohydrates, and proteins. Topics include retrosynthesis, spectroscopic structure determination, and the reaction mechanism. Laboratory experiments will involve the multistep synthesis of organic compounds and the characterization of those compounds using chromatography and infrared (IR) and nuclear magnetic resonance (NMR) spectroscopy. This course is for chemistry majors or those in closely-allied fields such as biochemistry and chemical engineering.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CHEM 12B with a grade of C or better

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Apply the principles of thermodynamics, kinetics, equilibrium to biologically important molecules.
- Conduct sectroscopic analysis and identifiy structures of biologically important molecules.
- Generate stepwise reaction mechanisms of biologically important molecules.
- Design logical syntheses and structural modifications of biologically important molecules.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

CHEM 25

Preparation Course for General Chemistry

5.0 Units

This course is an introduction to the core theory and problem-solving techniques of chemistry as preparation for CHEM D001A and CHEM D01AH and other science-related fields, as well as gravimetric and volumetric analysis, rudimentary laboratory equipment and operations, and the preparation and maintenance of a laboratory notebook.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability

Transferable to both UC and CSU

Prerequisite(s)
MATH 114 or MATH 130 or equivalent

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Assess the fundamental concepts of modern atomic and molecular theory.
- Evaluate the standard classes of chemical reactions.
- Demonstrate a fundamental understanding of mathematical concepts pertaining to chemical experimentation and calculations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

CHEM 30A
Introduction to General, Organic and Biochemistry I

5.0 Units

This is a two-part course to be taken in sequence by students entering the allied health fields. The focus of the first part of this course is an introduction to general chemistry with a discussion of various measurement tools, followed by a discussion of energy and matter, and the discovery of an atom. The next set of topics will cover an introduction to elements, compounds, and types of bonding in compounds, followed by various types of chemical reactions and stoichiometric calculations based on chemical equations. The course will discuss the properties of gases and solutions and concludes with a discussion of acid-base chemistry and nuclear chemistry.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 114 or MATH 130 or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Solve stoichiometric problems by applying appropriate molar relationships.
- Identify the differences between elements and compounds and describe the chemical bonding in compounds- ionics vs. covalent.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

CHEM 30B
Introduction to General, Organic and Biochemistry II

5.0 Units

This class is for students entering the allied health fields. The focus of the second part of Introduction to General, Organic, and Biochemistry is organic and biochemistry. The topics included in organic chemistry are: hydrocarbons, alcohols, thiols, ethers, carboxylic acids, esters, amines, and amides. Various physical and chemical properties of these organic substances will be studied along with nomenclature and structural features. The topics included in biochemistry are: carbohydrates, fatty acids and lipids, amino acids and proteins, nucleic acids and DNA. Various physical and chemical properties of these biological molecules will be studied. A brief introduction to metabolism will also be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CHEM 1A, D01AH, 25 or D030A

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Differentiate the general reactions of the principle organic functional groups.
- Evaluate the major classes of biological compounds from a chemical perspective.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

CHEM 77
Special Projects in Chemistry

1.0 Units

This course involves individual research in the chemical sciences, with specific projects determined in consultation with the instructor. Outside reading and a written report required.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Dependent on the nature of the project as determined in sections 3&4 of the Special Projects Contract.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours	Course Out-of-Class Hours

Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

CHEM 77X

Special Projects in Chemistry

2.0 Units

This course involves individual research in the chemical sciences, with specific projects determined in consultation with the instructor. Outside reading and a written report required.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Dependent on the nature of the project as determined in sections 3&4 of the Special Projects Contract.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

CHEM 77Y

Special Projects in Chemistry

3.0 Units

This course involves individual research in the chemical sciences, with specific projects determined in consultation with the instructor. Outside reading and a written report required.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Dependent on the nature of the project as determined in sections 3&4 of the Special Projects Contract.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

CHLX 10

Introduction to Chicanx and Latinx Studies

4.0 Units

This course explores the Chicanx and Latinx experience with emphasis on the cultural and historical development, and the socioeconomic and political status of their contemporary communities.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ICS D030.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Recognize and analyze the impact of historical and contemporary forms of institutionalized racism, classism, sexism, inequality and practices of social justice in the context of the Chicanx and Latinx Communities.
- Examine the intersections of social constructions such as race, class, gender, sexual orientation, nationality and diversity of titles and identities within the Chicanx Latinx communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CHLX 11

Chicanx Culture

4.0 Units

This course explores the origins and development of the Chicanx culture with an emphasis on the values, religions, philosophies, and lifestyles of Chicanx people. The course will introduce students to issues regarding identity, language, music, food, traditions, festivals, literature, and art with an emphasis on the sociopolitical and cultural dynamics.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ICS D031.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Recognize and evaluate the elements of cultural syncretism and their respective role within Chicanx experience.
- Describe how and why beliefs, values, assumptions, communications practices shape world views and dynamic nature of culture change within the Chicanx experience.
- Evaluate cultural dynamics in bi-cultural, traditional and non-traditional cultural patterns, gender roles, religiosity and various artistic expressions within the present day Chicanx experience.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CHLX 12
Chicanx and Latinx History

4.0 Units

This course examines the history of the Chicanx and Latinx people, surveying pre-Columbian origins, with an emphasis on the period since 1848 in the United States Southwest.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ICS D032.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Actively engage in the complex multicultural pasts by integrating historical understanding within historical thinking skills.
- Assess the history and culture of people of Mexican and Latin American origins in the United States, specifically within the region of Southwest.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CHLX 13
The Chicanx and Latinx and the Arts

4.0 Units

This course is a survey and analysis of contemporary Chicanx and Latinx art, film, theater, music, and literature, and their relationship to the Chicanx and Latinx experiences.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ICS D033.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Distinguish, understand and evaluate the principals, qualities and characteristics of the politically-based themes found within Chicanx and Latinx Art.
- Distinguish and understand the concept rascuachismo and assess its impact on the sense of aesthetics within Chicanx and Latinx Art.
- Gain experience by researching and engaging with local organizations which offer events that center and support Latinx artists.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CHLX 26
La Mujer: Latina Life and Experience

4.0 Units

This course is an introduction to the study of Latinas in American society from a historical and sociological perspective. Emphasis is placed on Latina feminist scholarship and cultural representations, border issues and migration, resistance to patriarchy, labor, and the search for power. This course is designed for all students interested in Women and Gender Studies, as well as those interested in Chicana/o and Latina/o Studies.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Students will be able to describe how identities (i.e. religious, gender, ethnic, racial, class, sexual orientation, disability, and/or age) are shaped by cultural and societal influences in contexts of equality and inequality.
- Describe historical, social, political, and economic processes producing diversity, equality, and structured inequalities in the U.S. with specific attention to how those dynamics are impacted by Chicana and Latina lives and experiences.
- Research local organizations which support the goals of Latinas and engage in community activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CIS 2
Computers and the Internet in Society

4.0 Units

A critical examination of the capabilities and uses of the Internet, computers and cellular communications, and how they are changing business, law, politics, health, education, entertainment, and society.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Analyze the effect of the Internet, computers, and cellular communications on individuals, culture, and society.
- Analyze the effects of the Internet, computers, and cellular communications on institutions, including education, business, economics, and politics.
- Judge the effect of the the Internet and computers on law and ethics.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CIS 3
Business Information Systems

4.5 Units

This is an introductory course to business information systems, systems design and development life cycle, data communications, data management, office automation, computer hardware and software concepts. The use of common software packages for business applications including word processing, spreadsheets, database, and internet web tools will be covered.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Create and execute a plan to improve success factors in a business, using software and hardware.
- Produce a business document utilizing word processing tools to show use of various formatting, such as columns, outlline, and numbering.
- Design a model for business decision making utilizing spreadsheet software and incorporating charts, formulas, and formatting.
- Create a presentation about a business technology implementation utilizing presentation software incorporating graphics, tables, process flow diagrams and text.
- Solve a business data problem by utilizing database technology.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 4
Computer Literacy

4.5 Units

An introduction to basic computer literacy concepts. History of the computer, hardware, software, operating system mechanics, system management utilities, basics of networking, Internet and explore HTML web pages. The social impact and future of computers for communication systems are discussed along with an overview of basic security and privacy concerns. An integrated software package for word processing, spreadsheets, databases, e-mail, Internet and presentations are introduced.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly CIS D093.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Manipulate data in a spreadsheet.
- Manage file and folder properties in the operating system.
- Extract information from a database program.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 5
Swift Programming

4.5 Units

Swift is Apple's open source language used to develop native iOS and Mac OS apps. Swift was designed to be beginner friendly. Topics covered include: native and collection data types, operators and statements, loops and branching, functions and variable scoping, modules and packages, object oriented programming, file handling, regular expressions and exception handling.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
MATH 114 or equivalent

Student Learning Outcomes

- Design, code, document, analyze, debug, and test introductory level Swift programs that include Swift kits.
- Code and debug Swift programs using Xcode Playgrounds - Apple's IDE for Swift programming.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 9
Introduction to Data Science

4.5 Units

This course is an introduction to data science, which covers data analytics and machine learning. Topics covered include data gathering and data wrangling, data assessment and visualization, supervised and unsupervised machine learning, natural language processing.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CIS 41A

Student Learning Outcomes
- Collect, clean, analyze, and visualize data to meet and defend a measured objective.
- Gather data and choose a model to train and tune the machine learning tool and interpret the result.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 14A
Visual Basic .NET Programming I

4.5 Units

This course will focus on programming in Visual Basic, with an emphasis on Windows programming using the Visual Basic environment, and the development of well-structured VB projects using forms, buttons, labels, picture boxes, and text boxes.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Design a graphical user interface in Visual Basic .NET implementing basic controls including text boxes, labels, list boxes, buttons, radio buttons, and checkboxes.
- Design the algorithm, write, document, debug and test the code for event procedures and sub procedures of a Visual Basic application incorporating elementary coding constructs.
- Read, analyze and explain introductory level Visual Basic code.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 14B
Visual Basic .NET Programming II

4.5 Units

This course prepares students to develop professional-looking and deployable Visual Basic applications using advanced controls, user-created classes, incorporating databases with ADO.NET 3.5, calling APIs, and creating Web applications.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CIS 14A or equivalent

Student Learning Outcomes
- Design, create and debug an application incorporating class modules, bas modules and multiple forms.
- Design, create and debug an application creating and updating a dataset from more than one table.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 18A
Introduction to Unix/Linux

4.5 Units

This course is an introduction to the features of the Unix/Linux operating system including text editing, text file manipulation, electronic mail, Internet utilities, directory structures, input/output handling, and shell features.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
CIS 4

Student Learning Outcomes
- Use the Unix/Linux Operating System utilities and shell features for basic file manipulation, networking, and communication.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 18B

Advanced UNIX/LINUX

4.5 Units

Expanded coverage of regular expressions and grep. Advanced topics in Unix/Linux include egrep, find, sed, awk, file archiving, compression, and conversion, version control, makefile, basic shell scripts and installation of a Linux distribution.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CIS 18A

Advisory(ies)
CIS 14A, D022A, D036A or D040.

Student Learning Outcomes
- Use the Unix/Linux Operating System utilities, shell features, and regular expressions for advanced text file manipulation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 18C

Bash Scripting

4.5 Units

Programming in bash shell, Korn shell, Bourne shell, tc shell and C shell.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CIS 18B

Student Learning Outcomes
- Create programs in the Bourne Again, Bourne, Korn, and C shells, that interact with the Unix/Linux operating system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 21JA

Introduction to x86 Processor Assembly Language and Computer Architecture

4.5 Units

This course is an introduction to the syntax and semantics of the x86 processor assembly language, standard instruction set, selected macros and directives, and x86 architecture.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CIS 22B or CIS 22BH or CIS 26A or CIS 35A or CIS 36B or CIS 41A

Student Learning Outcomes
- Investigate architectural components and design of microprocessors as well as evaluate and formulate computer and numeric data representation.
- Design, code, document, analyze, debug, and test introductory level assembly programs for the x86 family of processors.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 21JB

Advanced x86 Processor Assembly Programming

4.5 Units

This course covers the theory and application of advanced assembly programming techniques, with emphasis on multi-module programs, interrupt level programming, recursive and re-entrant techniques, floating-point processing, interface with the OS and high-level language.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CIS 21JA

Student Learning Outcomes
- Design, code, document, analyze, debug, and test advanced level assembly programs for the x86 family of processor, including linkage to high level languages and floating point processing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 22A

Beginning Programming Methodologies in C++

4.5 Units

The fundamental constructs of programming and introduces the concept of object-oriented programming is covered in the course. Its primary objective is to teach problem-solving using the C++ programming language. Emphasis will be placed on structured procedural programming with an introduction to object-oriented programming. Designed primarily for computer science and related transfer majors.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
MATH 114 or equivalent

Student Learning Outcomes
- Design solutions for introductory level problems using appropriate design methodology incorporating elementary programming constructs.
- Create algorithms, code, document, debug, and test introductory level C++ programs.
- Read, analyze and explain introductory level C++ programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 22B

Intermediate Programming Methodologies in C++

4.5 Units

A systematic approach to the design, construction, and management of computer programs, emphasizing design, programming style, documentation, testing, and debugging techniques. Strings, multidimensional arrays, structures, and classes. Pointers: their use in arrays, parameters, and dynamic allocation. Introduction to linked lists. Software engineering and computer science students are the targeted groups.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CIS 22A

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Create algorithms, code, document, debug, and test intermediate level C++ programs.
- Read, analyze and explain intermediate level C++ programs and their efficiency.
- Design solutions for intermediate level problems using appropriate design methodology incorporating intermediate programming constructs including structures and objects.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 22BH

Intermediate Programming Methodologies in C++ - HONORS

4.5 Units

A systematic approach to the design, construction, and management of computer programs, emphasizing design, programming style, documentation, testing, and debugging techniques. Strings, multidimensional arrays, structures, and classes. Pointers: their use in arrays, parameters, and dynamic allocation. Introduction to linked lists. As an honors course, the students are expected to complete extra assignments to gain deeper insight into working with structures, classes, and linked lists. Software engineering and computer science students are the targeted groups.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CIS 22A

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Read, analyze and explain intermediate level C++ programs and their efficiency.
- Design solutions for intermediate level problems using appropriate design methodology incorporating intermediate programming constructs including structures and objects.
- Create algorithms, code, document, debug, and test intermediate level C++ programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 22C

Data Abstraction and Structures

4.5 Units

Application of software engineering techniques to the design and development of large programs; data abstraction and structures and associated algorithms: stacks, queues, linked lists, trees, graphs, and hash tables; internal and external sorting; use of recursion; team project.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CIS 22B, D22BH or D035A

Advisory(ies)
MATH 212 or equivalent.

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Read, analyze and explain advanced data structures programs.
- Design solutions for advanced problems using appropriate design methodology incorporating advanced data structures programming constructs.
- Create and analyze efficiency of advanced level data structures algorithms, code, document, debug, and test advanced data structures programs using multiple source and header files.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 22CH
Data Abstraction and Structures - HONORS

4.5 Units

Application of software engineering techniques to the design and development of large programs; data abstraction and structures and associated algorithms: stacks, queues, linked lists, trees, graphs, and hash tables; internal and external sorting; use of recursion; team project. As an honors course, the students will be expected to complete extra assignments to gain deeper insight into the design and implementation of data structures.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CIS 22B, D22BH or D035A

Advisory(ies)
MATH 212 or equivalent.

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Read, analyze and explain advanced data structures programs.
- Design solutions for advanced problems using appropriate design methodology incorporating advanced data structures programming constructs.
- Create and analyze efficiency of advanced level data structures algorithms, code, document, debug, and test advanced data structures programs using multiple source and header files.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 26A
C as a Second Programming Language

4.5 Units

This course is an introduction to the C programming language and its applications with topics covering basic input/output, structured program design and implementation, basic control structures and keywords, character and string manipulation, arithmetic expressions, functions and program modularization, arrays, pointers, structures, and linked lists.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
An Introductory Programming Language course such as CIS 22A or CIS 36A or equivalent

Student Learning Outcomes
- Read, analyze and explain introductory and intermediate level C programs.
- Design solutions, create algorithms, code, document, debug, and test introductory and intermediate level problems using appropriate design methodology incorporating elementary and intermediate programming constructs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 26B
Advanced C Programming

4.5 Units

Applications of advanced features of C and the C-library functions including: binary and random-access input/output, dynamic data structures, bit manipulation, string parsing and string-to-numeric conversion, event and error processing, function pointers, recursion, and variable-length argument list functions.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
CIS 22B, D22BH or D026A

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Read, analyze and explain advanced C programs.
- Design solutions for advanced problems using appropriate design methodology incorporating advanced programming constructs.
- Create algorithms, code, document, debug, and test advanced level C programs using multiple source and header files.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 26BH
Advanced C Programming - HONORS

4.5 Units

Applications of advanced features of C and the C-library functions including: binary and random-access input/output, dynamic data structures, bit manipulation, string parsing and string-to-numeric conversion, event and error processing, function pointers, recursion, and variable-length argument list functions. As an honors course the students will be expected to complete extra assignments to gain deeper insight in design and implementation of advanced C programs.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
CIS 22B, D22BH or D026A

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Read, analyze and explain advanced C programs.
- Design solutions for advanced problems using appropriate design methodology incorporating advanced programming constructs.
- Create algorithms, code, document, debug, and test advanced level C programs using multiple source and header files.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 27
Programming in C++ for C/Java Programmers

4.5 Units

A comprehensive introduction to the C++ programming language and its applications.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
CIS 26A or CIS 35A

Student Learning Outcomes
- Create object oriented programs using the C++ language.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 28
Object Oriented Analysis and Design

4.5 Units

Defines and illustrates the object oriented paradigm for analyzing, designing and implementing object oriented computer applications. Trade-offs between various object oriented techniques will be illustrated with a series of real world applications to allow the student to optimize his/her solutions for robustness and reuse.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
CIS 22B, D22BH, 27, D035A or equivalent experience

Student Learning Outcomes
- Design and develop complex software solution from raw requirements using Object Oriented Analysis and Design techniques.
- Synthesize major architectural patterns and frameworks and apply them to create software solutions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 29
Advanced C++ Programming

4.5 Units

This course examines advanced topics in C++ including namespace, string and stringstream classes, cast operators, multiple inheritance, exception handling, compilation concepts, libraries, templates, the Standard Template Library, and programming style.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
(CIS 22B or CIS 22BH) or CIS 27 or equivalent

Advisory(ies)
MATH 212 or equivalent.

Student Learning Outcomes
- Read, analyze and explain advanced C++ programs.

- Design solutions, create algorithms, code, document, debug, and test C++ programs using appropriate design methodology and incorporating advanced C++ programming constructs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 30A
Introduction to C# Programming

4.5 Units

This course is an introduction to C# programming, .NET environment, computing context, primitive types, the flow of control constructs, operators, text I/O, objects and classes, interfaces, packages, GUI, exceptions, and threads.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Create algorithms, code, document, debug, and test intermediate level C# programs.
- Read, analyze and explain intermediate level C# programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 30B
Advanced C# Programming

4.5 Units

This course emphasizes foundation technologies in C# that enable you to write server-side programs in C#. Concepts include inner classes, collections, exceptions, file I/O, reflections, cloning, and multithreading.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CIS 30A

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Read, analyze and explain advanced C# programs.
- Create algorithms, code, document, debug, and test advanced problems using appropriate design methodology incorporating object oriented programming constructs and advanced C# concepts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 31
Operating System Concepts

5.0 Units

Concepts and use of operating systems: multiprogramming and multiprocessing systems; processor interrupts, processes and threads, mutual exclusion, indefinite postponement, deadlocks; scheduling considerations and security management.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
CIS 21JA and (CIS 22B or CIS 22BH)

Student Learning Outcomes
- Analyze the functionality of a modern operating system in terms of different management functions.
- Describe the algorithms and basic data-structures being utilized in modern operating systems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

CIS 33A
Programming in PERL

4.5 Units

A complete coverage of the core Perl language. Topics covered will include: basic loops and control structures, the elemental data types and operators, subroutines and variable scooping, regular expressions and text parsing, manipulation of files, advanced list processing with grep and map, references, built-in functions and core modules, and advanced input/output including random-access files and formatting.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)

CIS 22B or CIS 26A

Student Learning Outcomes

- Design, code, document, analyze, debug, and test introductory level Perl programs that include Perl modules and use operating system features.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 33B
Advanced PERL Programming

4.5 Units

Exploration of advanced topics from the core Perl distribution and essential non-core modules. Topics include reference-based data structures, object-oriented programming, connecting to SQL-based relational databases, non-relational database and file structures, process creation and management, and TCP/IP Client/Server programming.

Course Information

Transferability
Transferable to both UC and CSU

Student Learning Outcomes

- Design, code, document, analyze, debug, and test advanced level Perl programs that include object oriented Perl modules and access to database, TCP/IP, and system processes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 35A
Java Programming

4.5 Units

Introduction to Java programming, computing context, primitive types, flow of control constructs, operators, file I/O, objects and classes, inheritance, interfaces, packages, data structures and exceptions.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
CIS 22B, D22BH, 26A or D027.

Student Learning Outcomes

- Read, analyze and explain intermediate level Java programs.
- Create algorithms, code, document, debug, and test intermediate level Java programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 35B
Advanced Java Programming

4.5 Units

This course is an introduction to abstract classes, interfaces, generics using Object Oriented Design methodologies, design patterns, reflection, exception handling, multi-threading, Sockets, JDBC, and Web Programming. Students will design a project in a team-based environment working on creating multiple releases of the same project. Software engineering concepts and tools are also introduced.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
CIS 35A

Student Learning Outcomes

- Read, analyze and explain advanced Java programs.
- Create algorithms, code, document, debug, and test advanced problems using appropriate design methodology incorporating object oriented programming constructs and advanced Java concepts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 36A
Introduction to Computer Programming Using Java

4.5 Units

This course is an introduction to computer programming. The primary objective is to teach problem-solving using the Java programming language. Emphasis will be placed on structured procedural programming with an introduction to object-oriented programming. This course is designed primarily for computer science and related transfer majors.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)

EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
MATH 114 or equivalent

Student Learning Outcomes
- Create algorithms, code, document, debug, and test introductory level Java programs incorporating elementary programming constructs.
- Read, analyze and explain introductory level Java programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 36B
Intermediate Problem Solving in Java

4.5 Units

In this course, students will learn a systematic approach to the design, construction, and management of computer programs, emphasizing design, programming style, documentation, testing, and debugging techniques. Topics include strings, multi-dimensional arrays, and classes, as well as references and their use in arrays, parameters, and containment. The course concludes with an introduction to linked lists.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CIS 36A

Student Learning Outcomes
- Read, analyze and explain intermediate level Java programs.
- Design solutions for intermediate level problems using appropriate design methodology incorporating intermediate programming constructs.
- Create algorithms, code, document, debug, and test intermediate level Java programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 37
Java for Mobile Development

4.5 Units

This course covers mobile application development using Android features including Android development tools, activities and intents, pictures and menus, data persistence, messaging and networking, and rich media features.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
CIS 35A

Student Learning Outcomes
- Design mobile applications using object-oriented methodology and advanced Java concepts using Android Development Kit.
- Create algorithms, code, document, debug, and test mobile applications.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 38
iOS Development

4.5 Units

This course is an introduction to mobile app design and development for devices running iOS using its native object-oriented programming language Swift and basic design patterns. Students will understand the core APIs to construct powerful applications.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
Any one of CIS 5, CIS 14A, CIS 22A, CIS D036A or CIS D041A

Student Learning Outcomes
- Design mobile apps using object-oriented methodology and advanced Swift concepts using iOS Development Kit and APIs.
- Create algorithms, code, document, debug, and test mobile applications.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 40
Introduction to Programming in Python

4.5 Units

This is a hands-on introduction to computation through programming and problem-solving. Using the popular Python programming language, students will learn software engineering concepts and basic programming constructs while creating graphical applications.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
MATH 114 or equivalent

Student Learning Outcomes
- Design, code, document, analyze, debug, and test introductory level Python programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 41A
Python Programming

4.5 Units

This course provides a complete introduction to the Python language. Topics covered include primitive and collection data types, operators and statements, loops and branching, functions and variable scoping, modules and packages, object-oriented programming, file handling, regular expressions, and exception handling.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CIS 22A or D036A or D040.

Student Learning Outcomes
- Design, code, document, analyze, debug, and test introductory level Python programs that include Python modules.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 41B
Advanced Python Programming

4.5 Units

This course continues from CIS 41A, Python Programming, by covering some topics in more detail and adding more advanced topics. Object-oriented programming, data structures, and functions as first-class objects are covered extensively. New topics include data analysis, data visualization, graphical user interface programming, web access, database access, multithreading and multiprocessing, network socket programming, operating system calls, timing and profiling, and Python extensions.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CIS 41A

Student Learning Outcomes
- Design, code, document, analyze, debug, and test advanced level Python programs that include Python modules for database, networking, graphics, and extensions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 43
Systems Design

4.5 Units

This course covers the current tools of structured systems analysis and design: data flow diagrams, structure charts, HIPO charts, VTOCs, data structure/dictionaries, decision trees and tables, and pseudo code.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Describe and communicate system types and the systems development life cycle.
- Analyze system requirements and evaluate proposed solutions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 44A
Database Management Systems

4.5 Units

This course covers the rudiments of database design, implementation and use. Students will gain a basic understanding of various data modeling techniques. An overview and comparison of database management systems will be given, along with an emphasis on relational databases; introduction to SQL.

Course Information

Transferability

Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
CIS 3 or CIS 4

Student Learning Outcomes
- Prepare database design using database normalization theory and appropriate database schema representation techniques.
- Code, document, debug, and test introductory level SQL programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 44F
Introduction to Big Data and Analytics

4.0 Units

This course is an introduction to Big-Data deluge, management of unstructured and structured data and design of large scale database systems. Concepts covered include map-reduce parallel processing algorithms, real-time analytics, classification, and predictive analytics, attributes of Big-Data and related issues. The course also introduces large-scale file systems and operations and parallel processing algorithms.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Design, implement and debug a large scale database system using technology like Hadoop or Cassandra.
- Perform data analysis using a large-scale database systems given a set of user requirements.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CIS 44H
R Programming

4.5 Units

This course is an introduction to the R programming language and its utility in big data analytics. Topics covered include data objects, data cleansing, merging and sorting, statistical analysis of data, data graphics, and visualization, and working with R-Studio.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
CIS 22A or CIS 36A or CIS 40

Student Learning Outcomes
- Design, implement and debug R programs to process data from various sources for data analysis.
- Use R-graphics to display and visualize data.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 45A
Internet Concepts and TCP/IP Protocols

5.0 Units

This course covers the architecture and underlying protocols of the Internet. The Internet will be examined as a layered product. Layers discussed will include mid-level packet delivery and address computation and high-level client/server applications using the TCP/IP Protocol Suite.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
CIS 66

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
CIS 22A, D026A, D036A or D040.

Student Learning Outcomes
- Define fundamental concepts of TCP/IP architecture and protocols, with emphasis on the network layer, transport layer, and application layer of the suite.
- Describe the applications of TCP/IP to the Internet.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

CIS 46

Fundamentals of Digital Security

4.5 Units

This course provides broad-based knowledge and hands-on experience with many facets of network security. It includes website and database attacks/defense, identified vulnerability exploits, layered security approaches, and Active Directory security policy settings. Includes cryptography, hashing, access controls, physical, application, data defenses, auditing, and security protocols. Also, the course can help prepare students to pass the CompTIA Security+ Certification exam.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Advisory(ies)
CIS 108

Student Learning Outcomes
- Determine methods to protect network against security vulnerabilities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 50
Introduction to Computers, Data Processing, and Applications

3.0 Units

Computer information systems (IS) basic terms and concepts. Important IS trends. Using systems development to build information systems. Survey of functions and components of an information system including applications software, systems software, telecommunications, networks, the Internet and Web. Social and organization issues.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Describe the role that information systems play in business operations, management, and strategy.
- Understand how common software, hardware, database, and networking applications can be applied to business problems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

CIS 53
Java for Mobile Development

4.5 Units

Mobile application development using Android features including: Android development tools, activities and intents, pictures and menus, data persistence, messaging and networking, and rich media features.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Design mobile applications using object-oriented methodology and advanced Java concepts using Android Development Kit.
- Create algorithms, code, document, debug, and test mobile applications.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 55
iOS Development

4.5 Units

This course is an introduction to mobile app design and development for devices running iOS using its native object-oriented programming language Swift and basic design patterns. Students will understand the core API's to construct powerful applications.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Design mobile apps using object-oriented methodology and advanced Swift concepts using iOS Development Kit and APIs.
- Create algorithms, code, document, debug, and test mobile applications.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 56
Network Security

4.5 Units

Provides broad-based knowledge and hands-on experience with many facets of network

security. The course includes website and database attacks/defense, identified vulnerability exploits, layered security approaches, and Active Directory security policy settings. Includes cryptography, hashing, access controls, physical, application, data defenses, auditing and security protocols. Also, the course can help prepare students to pass the CompTIA Security+ Certification exam.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Determine methods to protect network against security vulnerabilities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 57
Website Administration

4.5 Units

This course is an introduction to establishing, configuring, managing, and controlling access to Internet servers.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Advisory(ies)
CIS 66 and CIS 89A

Student Learning Outcomes
- Demonstrate how to install, configure and maintain a web server.
- Create and apply user security policies to web server configuration.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 63
Systems Design

4.5 Units

This course covers the current tools of structured systems analysis and design: data flow diagrams, structure charts, HIPO charts, VTOCs, data structure/dictionaries, decision trees and tables, and pseudo code.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Describe and communicate system types and the systems development life cycle.
- Analyze system requirements and evaluate proposed solutions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 64A
Database Management Systems

4.5 Units

Rudiments of database design, implementation and use. Basic understanding of various data modeling techniques. Overview and comparison of database management systems. Emphasis on relational databases; introduction to SQL.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Prepare database design using database normalization theory and appropriate database schema representation techniques.
- Code, document, debug, and test introductory level SQL programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 64B
Introduction to SQL

4.5 Units

Introduction to Oracle SQL (Structured Query Language), DML (Data Manipulation Language) processing techniques, DDL (Data Definition Language) techniques, selecting and sorting data, joins, SQL functions, Oracle objects, Oracle data processing concepts to maintain large database systems.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
CIS 64A

Student Learning Outcomes

- Design solutions for introductory level problems using appropriate design methodology incorporating interpreted database constructs.
- Create algorithms, code, document, debug, and test introductory level SQL programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 64C
Introduction to PL/SQL

4.5 Units

This course covers Oracle PL/SQL features including data definition and data manipulation using expressions, control structures, and Oracle objects. Error handling, predefined packages, triggers, transactions, and advanced PL/SQL features are also covered.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
CIS 64B

Student Learning Outcomes

- Design solutions for introductory level problems using appropriate design methodology incorporating procedural database constructs.
- Create algorithms, code, document, debug, and test introductory level PL/SQL programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 64D
Database Tuning

3.0 Units

Emphasis on importance of Performance Tuning, techniques for tuning several Oracle components, optimizing database for high volume transactions and Data Warehouses.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes

- Apply performance tuning methods to tune large scale database systems.
- Establish performance targets based on business requirements.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

CIS 64E
Fundamentals of Large Scale Cloud Computing

4.0 Units

This course addresses the fundamental challenges in the design, implementation, and deployment of large-scale distributed systems. Concepts covered include concurrency, synchronization, connection establishment, event handling, inter-process communication, storage management, and service registration, discovery, and lookup. It also covers issues related to distributed objects such as life cycle management, mobility, security, naming, location, evolution, and autonomy.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Design, implement and debug a distributed system using technology like Web Services.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CIS 64F
Introduction to Big Data and Analytics

4.0 Units

Introduction to Big-Data deluge, management of unstructured and structured data and design of large scale database systems. Concepts covered include Map-reduce parallel processing algorithms, Real-time analytics, classification, and predictive analytics, attributes of Big-Data and related issues. Introduction to large scale file systems and operations and parallel processing algorithms.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes

- Design, implement and debug a large scale database system using technology like Hadoop or Cassandra.
- Perform data analysis using a large-scale database systems given a set of user requirements.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CIS 64G
Data Visualization Methodology and Tools

4.5 Units

This course is an introduction to the strategies and technologies used in business intelligence reporting and dashboards for making data-driven decisions.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Design and implement reports and dashboards for data and trends analysis using technologies like Tableau, PowerBI, BIRT or Pentaho.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 64H
R Programming

4.5 Units

This course is an introduction to the R programming language and its utility in big data analytics. Topics covered include data objects, data cleansing, merging and sorting, statistical analysis of data, data graphics and visualization, and working with R-Studio.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Design, implement and debug R programs to process data from various sources for data analysis.
- Use R-graphics to display and visualize data.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 66
Introduction to Data Communication and Networking

5.0 Units

Concepts of communication, data communications, and networks. Overview of connectivity options, common protocols, local and wide area networks.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Advisory(ies)
CIS 3 or CIS 93

Student Learning Outcomes
- Describe the various components, protocols, architectures, and applications of current communication and networking technologies, which are used in LANs, WANs, and the Internet.
- Define the basic properties of the TCP/IP, local area, wide area, and fiber optic networks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

CIS 67A
Local Area Networks

4.0 Units

This course covers fundamental concepts of Local Area Network architecture and protocols, emphasizing basic concepts needed to design, configure and implement Local Area Networks. The course also covers the evolution of Fast Traditional Ethernet, Fast Ethernet, Gigabit Ethernet, Ten-Gigabit Ethernet, ATM, and wireless LANs.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
CIS 66

Student Learning Outcomes
- Define fundamental concepts of local area networks (LANs) architecture and protocols

with emphasis on the first two layers, physical and data link layer, of the OSI model.
- Design a local-area network.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CIS 67B
Introduction to Wide Area Networking

4.0 Units

Students in this course will learn fundamental concepts of telephony, telecommunication, and wide area networking, with emphasis on analog and digital transmission techniques, as well as circuit-switching, packet-switching, and exploration of optimization in telecommunication.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
CIS 67A

Student Learning Outcomes
- Investigate fundamental concepts of TCP/IP protocol suite with emphasis on the network layer, transport layer, and application layer of the suite.
- Design a small wide-area network.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CIS 69A
Technical Support Fundamentals

4.5 Units

This course provides an introduction to Information Technology (IT). Students will learn important facets of Information Technology including computer hardware, the Internet, computer software, troubleshooting, and customer service. This course is specifically designed to provide an overview of what is to come in this certificate program.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Student Learning Outcome: Gather the basics of computer systems, assemble one and install an operating system.
- Student Learning Outcome: Identify how the Internet works and its impact in the modern world.
- Student Learning Outcome: Identity how applications are created, how their code executes on a computer and successfully apply problem-solving methodologies in an IT setting.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 69B
The Bits and Bytes of Computer Networking

4.5 Units

This course is designed to provide a full overview of computer networking. It starts with the fundamentals of modern networking technologies and protocols, and advances to an overview of the cloud option for practical applications, with an emphasis on network troubleshooting.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Describe computer networks in terms of a five-layer model and the standard protocols involved with TCP/IP communications.
- Associate powerful network troubleshooting tools and techniques and network services like DNS and DHCP.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 69C
Operating Systems and You: Becoming a Power User

4.5 Units

In this course, through a combination of video lectures, demonstrations, and hands-on practice, learners will grasp the main components of an operating system and how to perform critical tasks like managing software, supporting users, and configuring hardware.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Configure disk partitions and filesystems and successfully leverage system logs and remote connection tools.

- Navigate the Windows and Linux filesystems using both a graphical user interface and a command line interpreter.
- Setup user security, and install and configure software on multiple common operating systems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 69D
System Administration and IT Infrastructure Services

4.5 Units

This course will transition learners from working on a single computer to supporting an entire data center. Systems administration is the field of IT that's responsible for maintaining reliable computer systems in a multi-user environment. In this course, students will learn the infrastructure services that keep all organizations, big and small, up and running. The material focuses particularly on the cloud, covering everything from typical cloud infrastructure setups to how to manage cloud resources. Students will learn how to manage and configure servers and how to use industry tools to manage computers, user information, and user productivity, as well as learn how to recover an organization's IT infrastructure in the event of a disaster.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Utilize best practices for choosing hardware, vendors, and services for your organization.
- Understand how the most common infrastructure services that keep an organization running work and how to manage infrastructure servers.
- Manage an organization's computers and users using the directory services, Active Directory, and OpenLDAP.
- Learn about disaster recovery and use system administration knowledge to improve IT processes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 69E
IT Security: Defense Against the Digital Dark Arts

4.5 Units

This course covers a wide variety of IT security concepts, tools, and best practices. It introduces threats and attacks and demonstrates the many ways they can reveal themselves. It further explores the functionality of encryption algorithms and how they're used to safeguard data, and it introduces the three As of information security: authentication, authorization, and accounting. The use of network security solutions, ranging from firewalls to Wi-Fi encryption options, is also covered. The course is rounded out by combining all these elements together into a multi-layered, in-depth security architecture, supplemented by practical recommendations on how to integrate a culture of security into an organization or team.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Summarize how various encryption algorithms and techniques work and their benefits and limitations, various authentication systems and difference between authentication and authorization.
- Evaluate potential risks and recommend ways to reduce risk, make recommendations on how best to secure a network and help others to understand security concepts and protect themselves.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 73
Unix/Linux Systems Programming

4.5 Units

Coverage of systems programming in the Unix/Linux/Posix environments, with emphasis on low-level Unix/Linux/Posix system calls from C programs and Shell scripts. Discussion of differences in major Unix/Linux/Posix environments.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
CIS 18A and CIS 26B (or CIS 26BH)

Student Learning Outcomes
- Design, code, document, analyze, debug, and test client/server application programs for network communications.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 74
Software Quality Assurance

4.5 Units

Software testing basics - equivalence classes, boundary values, edge cases, corner cases, positive vs. negative tests, verification vs. validation, black-box testing, white-box testing, gray-box testing, smoke testing, alpha vs. beta testing, requirements documents and traceability matrices; justification for testing software; types of testing - accessibility,

functional, security, performance, visual; breaking software and defect reporting; test-driven development; test case management (TCM) tools; and automating tests for web applications.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
CIS 40 and CIS 89A

Student Learning Outcomes
- Write a formal test case specifications using a Test Case Management tool.
- Create bug reports using a defect-tracking tool.
- Develop automated test cases for web apps using Selenium/WebDriver and Python.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 75A
Internet Concepts and TCP/IP Protocols

5.0 Units

The architecture and underlying protocols of the Internet. The Internet will be examined as a layered product. Layers discussed will include mid-level packet delivery and address computation and high-level client/server applications using the TCP/IP Protocol Suite.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Define fundamental concepts of TCP/IP architecture and protocols, with emphasis on the network layer, transport layer, and application layer of the suite.
- Describe the applications of TCP/IP to the Internet.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

CIS 75B
Internet Programming with TCP/IP

4.5 Units

This course covers writing client/server applications using the TCP/IP protocol suite. All server classes - "well known", iterative, concurrent, and polling - will be explored and used. Typical Internet programming problems will be addressed including resource availability, machine addressing, and differences in data representation between communicating computers.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Design and construct client and server applications using TCP/IP protocol suite and applying algorithms for enabling servers.
- Create algorithms, code, document, debug, and test client/server applications.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 75D
Enterprise Security Policy Management

3.0 Units

Concepts of how to secure an enterprise by creating a security policy and developing procedures to maintain that security policy. Perform risk analysis and assessment on enterprise security. System Administrators, IT Managers, and Analysts would benefit from this course, as well as Technologists wanting to broaden their impact.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Create and refine enterprise security policy and procedures.
- Create tools to track risks, document and mitigate them.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

CIS 75E
Enterprise Emergency Response Planning

2.0 Units

An exploration of how to plan for emergency response, recover from a disaster and how to mitigate risks. System Administrators, IT managers and Analysts would benefit from this course, as well as Technologists wanting to broaden their impact.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Create and refine emergency response plan for responding and recovering from disasters.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

CIS 77
Special Projects in Computer Information Systems

1.0 Units

Design, implement, and document a special computer programming project.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Explain the fundamental concepts of the Computer Information Systems topic.
- Apply the fundamental concepts of the Computer Information Systems topic.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

CIS 77X
Special Projects in Computer Information Systems

2.0 Units

Design, implement, and document a special computer programming project.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Explain the fundamental concepts of the Computer Information Systems topic.
- Apply the fundamental concepts of the Computer Information Systems topic.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

CIS 77Y
Special Projects in Computer Information Systems

3.0 Units

Design, implement, and document a special computer programming project.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Explain the fundamental concepts of the Computer Information Systems topic.
- Apply the fundamental concepts of the Computer Information Systems topic.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

CIS 79
Managing Technology Projects

4.5 Units

This is an introduction to the theory and practice of the design and management of technology projects, including planning, performing, and monitoring of projects. Topics include estimating costs and schedules, analyzing client expectations, and guiding diverse groups of people toward a common goal while earning a profit, and the use of common software packages for project management.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Determine and match the expectations of the client and complete the steps of a technology project.
- Demonstrate the systematic approach to project design and management.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 82W
Current Topics in Computer Information Systems

1.0 Units

A planned program of exposure to fundamental concepts and applications of selected Computer Information Systems topics. Concepts and theories as applied to the specific topic.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Explain the fundamental concepts of the Computer Information Systems topic.
- Apply the fundamental concepts of the Computer Information Systems topic.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

CIS 82X
Current Topics in Computer Information Systems

2.0 Units

A planned program of exposure to fundamental concepts and applications of selected Computer Information Systems topics. Concepts and theories as applied to the specific topic.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Explain the fundamental concepts of the Computer Information Systems topic.
- Apply the fundamental concepts of the Computer Information Systems topic.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

CIS 82Y
Current Topics in Computer Information Systems

3.0 Units

A planned program of exposure to fundamental concepts and applications of selected Computer Information Systems topics. Concepts and theories as applied to the specific topic.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Explain the fundamental concepts of the Computer Information Systems topic.
- Apply the fundamental concepts of the Computer Information Systems topic.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

CIS 82Z
Current Topics in Computer Information Systems

4.0 Units

A planned program of exposure to fundamental concepts and applications of selected Computer Information Systems topics. Concepts and theories as applied to the specific topic.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Explain the fundamental concepts of the Computer Information Systems topic.
- Apply the fundamental concepts of the Computer Information Systems topic.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CIS 83
Open Computer Information Systems Laboratory

0.5 Units

Use of the computer laboratory facilities in conjunction with a computer information systems programming course.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
CIS 82W, D082X, D082Y or D082Z

Student Learning Outcomes
- Students will be able to write code that requires the application of the concepts learned in CIS 82 - Current Topics in Computer Information Systems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

CIS 89A
Web Page Development

4.5 Units

Fundamentals of Web page design and creation: designing, encoding, and maintaining pages on the World Wide Web using HTML and CSS.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Create a web site using HTML and CSS and published to a web server.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 89C
Client-Side Programming with JavaScript

4.5 Units

Fundamentals of client-side programming for Web pages requiring data collection or other user interaction. Students will create Web pages that execute on the client (personal system) using JavaScript.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
CIS 22A and CIS 89A

Student Learning Outcomes
- Write functions and scripts using JavaScript.
- Create web pages using Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), JavaScript, and the Document Object Model (DOM), and demonstrate how they interact together within a web document.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 89D
Rich Internet Application Development

4.5 Units

Design and develop applications that deliver the same features and functions normally associated with desktop applications using technologies like HTML5.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
CIS 89C

Student Learning Outcomes
- Create rich internet application using features in tools like HTML5.
- Read, analyze and explain intermediate level Rich Internet Applications.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 95A
Project Management - A Practicum

5.0 Units

This course focuses on the role of a project manager including selecting a project, selecting a team, and the documentation and tracking of a project using the Project Manager Book of Knowledge (PMBOK) Theory.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)

EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Manage projects using five bodies of knowledge including initiation, planning, control, execution and closing.
- Manage project risks by identifying them and mitigating them.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

CIS 95B
Project Planning and Control - A Practicum

4.0 Units

Create a project scope statement that will act as a basis for creating a project plan. Build a project plan that integrates time, resources and communication with cost and quality of work. Plan controls to proactively mitigate risks.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
CIS 95A or equivalent

Student Learning Outcomes

- Create a detailed project plan complete with schedule, budget, risk mitigation plan, data and communication management plan for medium to large size projects.
- Create a detailed plan to control budget, scope, quality, schedule and team risks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CIS 95C
Risk Assessment and Mitigation - A Practicum

4.0 Units

Focus on responding to uncertain events or conditions for a positive or negative effect on project objectives. Implement techniques for planning for risks and learn to change project plans to reduce the probability and/or impact of the risk.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
CIS 95A or equivalent

Student Learning Outcomes

- Manage risks using tools and techniques learned in the course.
- Develop procedures and techniques to pro-actively reduce threats for project objectives.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

CIS 95D
Managing Outsourcing - A Practicum

3.0 Units

Learn to acquire goods and services from an outer organization using procurement and solicitation processes. Perform contract administration till completion and settlement of contract.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
CIS 95A or equivalent

Student Learning Outcomes

- Create a RFP for a given set of requirements.
- Accept and analyze bids for an RFP.
- Manage the outsourced vendor inline to the contractual requirements.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

CIS 95E
CAPM and PMP Exam Preparation

4.0 Units

Prepares the student for attempting the Project Management Professional (PMP) or Certified Associate in Project Management (CAPM) examination provided by Project Management Institute (PMI). Topics include management of integration, scope, time, cost, quality, human resources, communications, risk and procurement.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
CIS 95A or equivalent

Student Learning Outcomes
- Complete a CAPM or PMP application.
- Prepare for CAPM and PMP exam by exploring Project Management Book of Knowledge (PMBOK).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CIS 95F
Managing Cloud Projects

4.0 Units

Establish the Cloud strategy within a business context and focus on governance issues and business processes; the administration of Cloud services; support, monitoring, and billing; documenting a Cloud strategy, which optimizes expense structure, improves security, and supports conformance; standards and protocols for the Cloud; and management of devices that connect to the Cloud.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Create cloud strategy within a business context being mindful of governance issues and business processes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CIS 95G
Agile Project Management - A Practicum

4.0 Units

This course teaches students how to apply Agile principles and the Scrum framework to create software-intensive products and acquire the practical knowledge and skills to initiate, plan, manage and execute Agile software development projects.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Illustrate usage of Agile Software practices in product delivery, tracking and monitoring projects.
- Demonstrate creation of project plans with Agile Development methodology while understanding business value and planning feature iterations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CIS 95H
Business and Requirement Analysis

4.0 Units

This course provides practice to do a needs assessment, planning, analysis, traceability, monitoring and evaluation of business requirements and processes.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Create business requirements being mindful of customer needs, objectives and change management.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CIS 95J
Applying Emotional Intelligence for Effective Project Management

3.0 Units

This course focuses on applying emotional intelligence for the role of a project manager; selecting a project; selecting a team; documentation and tracking of a project using Project Manager Book of Knowledge (PMBOK) Theory.

Course Information

Transferability

Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Recognize emotions in the workplace and practice empathy and rapport to better manage project tensions due to emotions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

CIS 95K
Program Management - A Practicum

4.0 Units

This course focuses on the role of a program manager, identifying strategic objectives, manage the program life cycle, manage stakeholder expectations and governance.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Manage programs by identifying strategic objectives, manage program life cycle, manage stakeholder expectations and governance.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CIS 95L
Portfolio Management - A Practicum

4.0 Units

This course focuses on the role of a portfolio manager, doing a strategic alignment, governance, managing portfolio performance, risk and communication.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Manage portfolio by identifying strategic objectives, manage program life cycle, manage stakeholder expectations and governance.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

CIS 97
FLASH Animation

3.0 Units

Application of animation and video support for production of dynamic website development. The course provides hands-on experience to design video and animation used within a website. Flash Animation is an industry standard software program for business development, educational content delivery, video platform delivery as well as media and news streaming on the web.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Students will be able to develop, with accuracy, use of Flash animation by using filters, tools, vectors, bitmaps, digital video and graphics within software to achieve clients goals of dynamic, interactive website.
- Students will be able to develop and program inverse Kinematics, build and program interactivity, program and use video, program and control sound.
- Students will be able to program optimal playback and publishing settings for major platforms.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

CIS 98
Digital Image Editing Software (Photoshop)

4.5 Units

Digital imaging principles to produce graphics for websites. Hands-on experience with the elements and tools to set up files, manage documents, and perform image processing.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes

- Demonstrate correct use of Photoshop tools to alter existing graphics for Internet, print applications, scientific research imaging, and medical imaging.
- Convert digital images and digital media into a movie format for interactive platforms of phone apps and web pages.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 99
Office Software Applications

4.5 Units

Introduces concepts and hands-on projects using four common office productivity software programs including word processing, spreadsheet, database and presentation software.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Demonstrate correct format for creating letters using a word processing software.
- Create spreadsheets to solve business problems.
- Use of database software to create, search, modify and arrange information.
- Create a text/graphics presentation using presentation graphics software.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 102
Ethical Hacking

4.5 Units

Students will scan, test, hack and secure systems. Implement perimeter defenses, scan and attack virtual networks. Other topics include intrusion detection, social engineering, footprinting, DDoS attacks, buffer overflows, SQL injection, privilege escalation, trojans, backdoors, and wireless hacking. Legal restrictions and ethical guidelines emphasized. This course also helps prepare students to pass the Certified Ethical Hacker (C|EH) exam.

Course Information

Transferability
Not transferable

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Advisory(ies)
CIS 66 and CIS 108

Student Learning Outcomes

- Demonstrate the ability to attack and defend a network.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 104
Digital Forensics and Hacking Investigation

4.5 Units

Introduction to computer cyber crime and hacking investigation processes. Topics include computer forensics tools, hacking investigation tools, data recovery, information gathering techniques, computer data preservation techniques, and computer cybercrime investigation techniques. System administrators, security professionals, IT staff, and law enforcement personnel, would benefit from taking this course. Also, this course can help prepare students to pass computer forensics certification examinations, such as the EC-Council Computer Hacking Forensic Investigator (CHFI) or the Certified Forensic Computer Examiner (CFCE) credential.

Course Information

Transferability
Not transferable

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Advisory(ies)
CIS 108

Student Learning Outcomes

- Demonstrate data recovery and cybercrime forensics investigation techniques.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 105
Cloud Security Fundamentals

4.5 Units

An exploration of how to secure a cloud environment. The history of cloud computing and how cloud computing is being used today will be learned. Various cloud environments such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS) and understand both native and hybrid environments will also be explored. Topics including network security, host security, Identity and Access Management (IAM), cryptography and data protection, access controls, patch management, as well as credential and key management will be examined. Cloud security operations including logging, incident response in the cloud, as well as preventative and self-correcting security controls using labs

exercises will be investigated. This hands-on course is designed to prepare students for modern day infrastructure environments.

Course Information

Transferability
Not transferable

Student Learning Outcomes
- Identify the risks in utilizing cloud services.
- Identify the steps required to secure a cloud environment.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 108
Personal Computer Security Basics

4.5 Units

A beginner's computer security course for small office or home users. Learn to stop hackers, worms, viruses, spyware, web bugs, identity theft, and other cyber threats. Learn vulnerabilities found in web browsers, e-mail, and operating systems. Protect against online purchase dangers, install firewalls, manage cookies, restrict ports, evaluate wireless networks and examine encryption. The course includes numerous hands-on exercises to demonstrate security concepts.

Course Information

Transferability
Not transferable

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Advisory(ies)
CIS 4

Student Learning Outcomes
- Determine the best plan of action to stop malware based on security breach scenarios.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CIS 170F
Windows Administration

4.5 Units

This course provides knowledge and skills to set up, configure, use, and support the Microsoft Windows server and workstation operating systems. Windows features including configuring and troubleshooting will be covered. Concepts on how to configure Windows security, file sharing, storage, DHCP, DNS, Active Directory, network connectivity, and subsystems. Additional topics include utilizing Windows built-in applications.

Course Information

Transferability
Not transferable

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Advisory(ies)
CIS 4

Student Learning Outcomes
- Manage disks and file systems.
- Configure Windows security features, networking and application support, and troubleshoot system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	18.0	**Laboratory**	0.0
Total	66.0	**Total**	96.0

CLP 5
College Major and Career Options

2.0 Units

This course helps students to identify compatible college majors and career options by completing a variety of self-assessment inventories. Students will examine how individual, family, social, and cultural perspectives influence the college major and career decision-making process. The course will review college major and career myths, the purpose and structure of higher education, and organizational structures found in employment settings.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly CLP D075.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Choose a college major and career option by analyzing a multitude of factors involved in career development such as: personality, values, skills, interests, attitudes, and family and culture.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

CLP 7
Self-Assessment

4.0 Units

Comprehensive approach to career and life planning. Examine the decision-making process by exploring theories in career development and other factors such as familial, social, and cultural issues that influence career and lifestyle choices. Utilize self-assessment inventories to identify individual interests, values, skills, and personality types as they relate to career/college major options. Become familiar with career development software, related technology and develop skills to enhance the job search process.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly CLP D070.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Develop, and evaluate college major and career options by analyzing a multitude of factors involved in career development such as: personality, values, skills, interests, attitudes, and family and culture.
- Research and appraise college major and career options by utilizing various resources such as: the online resources and informational interviews. Demonstrates decision-making skills that include the multitude of factors shown in SLO Number One.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

COMM 1
Public Speaking

5.0 Units

Theory and techniques of public speaking in a democratic society. An introduction to a variety of perspectives and approaches used to research, assess, organize, present, and evaluate public presentations. Students will develop and apply effective research strategies.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly SPCH D001.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes

- Organize, compose, present, and critically evaluate informative and persuasive presentations appropriate in content and style to the audience and situation.
- Display increasing confidence in speaking extemporaneously.
- Demonstrate effective listening skills in various public speaking contexts.
- Identify, locate, evaluate and use information technologies and information sources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

COMM 1H
Public Speaking - HONORS

5.0 Units

Theory and techniques of public speaking in a democratic society. An introduction to a variety of perspectives and approaches used to research, organize, present, and evaluate public presentations. Students will develop and apply effective research strategies. As an honors course students will be expected to complete extra assignments to gain deeper insight in speech communication.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly SPCH D001H.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment

- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes

- Organize, compose, present, and critically evaluate informative and persuasive presentations appropriate in content and style to the audience and situation.
- Display increasing confidence in speaking extemporaneously.
- Demonstrate effective listening skills in various public speaking contexts.
- Identify, locate, evaluate and use information technologies and information sources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

COMM 7
Intercultural Communication

4.0 Units

Study of intercultural communication in domestic and global contexts. Examines how differing cultures, languages, and social patterns influence the way members of groups relate among themselves and with members of other ethnic and cultural groups. Emphasizes development of interpersonal skills for communicating effectively across cultures and encourages appreciation of diverse cultural voices.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(COMM D007. was formerly SPCH D007.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the Honors Program related course.)

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Explain and analyze culture and communication as both affect intercultural interactions, particularly stereotyping, prejudice, and discrimination.
- Evaluate and assess his/her own culture-specific verbal and nonverbal communication, through self-reflection and shared feedback.
- Demonstrate increased ability to competently interact with and adapt to persons of different cultural backgrounds, by applying intercultural communication concepts and skills to intercultural interactions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

COMM 7H
Intercultural Communication - HONORS

4.0 Units

Study of intercultural communication in domestic and global contexts. Examines how differing cultures, languages, and social patterns influence the way members of groups relate among themselves and with members of other ethnic and cultural groups. Emphasizes development of interpersonal skills for communicating effectively across cultures and encourages appreciation of diverse cultural voices. As an honors course students will be expected to complete additional assignments to gain deeper insight in Intercultural Studies with an emphasis on interdisciplinary connections with Communication Studies.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(COMM D007H was formerly SPCH D007H.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Explain and analyze culture and communication as both affect intercultural interactions, particularly stereotyping, prejudice, and discrimination.
- Evaluate and assess his/her own culture-specific verbal and nonverbal communication, through self-reflection and shared feedback.
- Demonstrate increased ability to competently interact with and adapt to persons of different cultural backgrounds, by applying intercultural communication concepts and skills to intercultural interactions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

COMM 8
Argumentation and Critical Inquiry in Oral Communication

5.0 Units

Principles and methods of critical inquiry, advocacy, and debate. Students will critically evaluate research sources and evidence; identify fallacies in reasoning and language; advance reasoned positions with consideration to ethical and equitable practices; and defend and refute arguments through analysis, presentation, and evaluation of arguments.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly SPCH D008.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
COMM 1, D001H, D010. or D010H

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Critically evaluate the reasoning and evidence of arguments.
- Use argument models appropriate to the audience and situation to analyze, advocate, and criticize positions effectively and confidently in both oral and written forms.
- Identify, evaluate and use information technologies and sources in writing and presentations using proper attribution and citation.
- Demonstrate the use of critical listening and comprehension skills in oral and written communication.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

COMM 8H

Argumentation and Critical Inquiry in Oral Communication - HONORS

5.0 Units

Principles and methods of critical inquiry, advocacy, and debate. Students will critically evaluate research sources and evidence; identify fallacies in reasoning and language; advance reasoned positions with consideration to ethical and equitable practices; and defend and refute arguments through analysis, presentation, and evaluation of arguments. As an honors course students will be expected to complete additional assignments to gain deeper insight in argumentation and critical inquiry.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly SPCH D008H.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
COMM 1, D001H, D010. or D010H

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Critically evaluate the reasoning and evidence of arguments.
- Use argument models appropriate to the audience and situation to analyze, advocate, and criticize positions effectively and confidently in both oral and written forms.
- Identify, evaluate and use information technologies and sources in writing and presentations using proper attribution and citation.
- Demonstrate the use of critical listening and comprehension skills in oral and written communication.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

COMM 9

Argumentation: Analysis of Oral and Written Communication

5.0 Units

This course covers critical reading, writing, and thinking. Research strategies, documentation, critical analysis, and synthesis in the process of evaluating and constructing oral and written arguments will be applied.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly SPCH D009.)

Prerequisite(s)

EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
COMM 1, D001H, D010. or D010H

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Analyze critically the logic of arguments.
- Compose well-organized critical essays that demonstrate complex writing and critical thought.
- Deconstruct, examine, debate contemporary, socially-relevant issues using current argument guidelines and strategies.
- Find, evaluate and cite sources in writing and presentations using appropriate documentation format.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

COMM 9H

Argumentation: Analysis of Oral and Written Communication - HONORS

5.0 Units

This course covers critical reading, writing, and thinking. Research strategies, documentation, critical analysis, and synthesis in the process of evaluating and constructing oral and written arguments will be applied. Because this is an honors course, students will be expected to complete additional assignments to gain deeper insight into argumentation, and critical inquiry.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
COMM 1, D001H, D010. or D010H

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Analyze critically the logic of arguments.
- Compose well-organized critical essays that demonstrate complex writing and critical thought.
- Deconstruct, examine, debate contemporary, socially-relevant issues using current argument guidelines and strategies.
- Find, evaluate and cite sources in writing and presentations using appropriate documentation format.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

COMM 10
Fundamentals of Oral Communication

5.0 Units

An introduction to the basic principles and methods of oral communication with emphasis on improving speaking and listening skills in the multicultural contexts of interpersonal, small group, and public communication. Students will develop and apply effective research strategies.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly SPCH D010.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Display increasing confidence in ability to use a range of speaking, listening, and collaboration skills.
- Evaluate the effectiveness of interpersonal, group, and public communication through self-reflection and shared feedback.
- Organize, compose, present, and critically evaluate informative and persuasive presentations appropriate in content and style to the audience and situation.
- Identify, locate, evaluate and use information technologies and information sources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

COMM 10H
Fundamentals of Oral Communication - HONORS

5.0 Units

An introduction to the basic principles and methods of oral communication with emphasis on improving speaking and listening skills in the multicultural contexts of interpersonal, small group, and public communication. Students will develop and apply effective research strategies. As an honors course, students will be expected to complete additional assignments to gain deeper insight in communication studies.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly SPCH D010H.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Display increasing confidence in ability to use a range of speaking, listening, and collaboration skills.
- Evaluate the effectiveness of interpersonal, group, and public communication through self-reflection and shared feedback.
- Organize, compose, present, and critically evaluate informative and persuasive presentations appropriate in content and style to the audience and situation.
- Identify, locate, evaluate and use information technologies and information sources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

COMM 15
Critical Decision-Making in Groups

5.0 Units

This course examines communication and critical decision-making in the context of effective group problem-solving, with an emphasis on principles of sound reasoning to make a well-reasoned decision. Topics include the theory, application, and evaluation of group communication processes, including problem-solving, conflict management, decision-making, and leadership, with the goal of understanding different points of view in an increasingly diverse and interconnected global society.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly SPCH D015.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
COMM 1, D001H, D010. or D010H

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Evaluate the effectiveness of group communication and decision-making through self-reflection and facilitated discussions.
- Apply a range of group communication models and theories to effectively solve problems and make decisions in a group setting.
- Demonstrate communication skills necessary for working productively in a group, including active listening, nonverbal communication, managing tension, consensus building and recording group discussion.
- Develop & present informative and persuasive group presentations supported with quality sources using appropriate citation format.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

COMM 15H

Critical Decision-Making in Groups - HONORS

5.0 Units

This course examines communication and critical decision-making in the context of effective group problem-solving, with an emphasis on principles of sound reasoning to make a well-reasoned decision. Topics include the theory, application, and evaluation of group communication processes, including problem-solving, conflict management, decision-making, and leadership, with the goal of understanding different points of view in an increasingly diverse and interconnected global society. Because this is an honors course, students will be expected to complete additional assignments to gain deeper insight into critical decision-making and group problem-solving.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly SPCH D015H.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
COMM 1, D001H, D010. or D010H

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Evaluate the effectiveness of group communication and decision-making through self-reflection and facilitated discussions.
- Apply a range of group communication models and theories to effectively solve problems and make decisions in a group setting.
- Demonstrate communication skills necessary for working productively in a group, including active listening, nonverbal communication, managing tension, consensus building and recording group discussion.
- Develop & present informative and persuasive group presentations supported with quality sources using appropriate citation format.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

COMM 16

Interpersonal Communication

5.0 Units

This course examines interpersonal communication principles with an emphasis on developing the self-concept through listening, verbal and nonverbal communication, language, and cultural knowledge, as a means of maintaining effective relationships in an increasingly diverse and interconnected global society.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability

Transferable to both UC and CSU

Formerly Statement
(Formerly SPCH D016.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
COMM 1, D001H, D010. or D010H

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Analyze and assess communication patterns and behaviors in Interpersonal relationships across various contexts (familial, personal and professional).
- Apply communication theories and concepts to improve communication effectiveness and relational satisfaction in interpersonal relationships.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

COMM 16H

Interpersonal Communication - HONORS

5.0 Units

This course examines interpersonal communication principles with an emphasis on developing the self-concept through listening, verbal and nonverbal communication, language, and cultural knowledge, as a means of maintaining effective relationships in an increasingly diverse and interconnected global society. Because it is an honors course, students will be expected to complete additional assignments to gain deeper insight into communication studies.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly SPCH D016H.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
COMM 1, D001H, D010. or D010H

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Analyze and assess communication patterns and behaviors in Interpersonal relationships across various contexts (familial, personal and professional).
- Apply communication theories and concepts to improve communication effectiveness and relational satisfaction in interpersonal relationships.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

COMM 70
Organizational Communication

5.0 Units

The course examines the application of organizational communication theories, processes, and functions. It explores topics of ethics, diversity, leadership, teams, networks, and globalization and their role in creating collaborative, equitable, and inclusive work environments.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
COMM 1, D001H, D010. or D010H

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Evaluate and apply organizational communication theories and practices.
- Examine how organizational identity, diversity, and cultural ideologies influence communication processes and outcomes.
- Demonstrate communication skills necessary for effective performance as a knowledgeable and culturally competent organizational team member.
- Evaluate the role of ethical frameworks in organizational communication.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

COMM 70H
Organizational Communication - HONORS

5.0 Units

The course examines the application of organizational communication theories, processes, and functions. It explores topics of ethics, diversity, leadership, teams, networks, and globalization and their role in creating collaborative, equitable, and inclusive work environments. This course is also part of the Honors Program

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
COMM 1, D001H, D010. or D010H

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Evaluate and apply organizational communication theories and practices.
- Examine how organizational identity, diversity, and cultural ideologies influence communication processes and outcomes.
- Demonstrate communication skills necessary for effective performance as a knowledgeable and culturally competent organizational team member.
- Evaluate the role of ethical frameworks in organizational communication.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

COMM 77W
Special Individual Projects in Communication Studies

1.0 Units

Individual special reading, writing, research, presentation, facilitation, teaching assistant, and/or community service/civic engagement leadership projects in Communication Studies as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly SPCH D077., D077X, D077Y and D077Z respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Demonstrate the ability to apply concepts of Communication Studies to the selected project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0

Total	36.0	**Total**	0.0

COMM 77X

Special Individual Projects in Communication Studies

2.0 Units

Individual special reading, writing, research, presentation, facilitation, teaching assistant, and/or community service/civic engagement leadership projects in Communication Studies as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly SPCH D077., D077X, D077Y and D077Z respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Demonstrate the ability to apply concepts of Communication Studies to the selected project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

COMM 77Y

Special Individual Projects in Communication Studies

3.0 Units

Individual special reading, writing, research, presentation, facilitation, teaching assistant, and/or community service/civic engagement leadership projects in Communication Studies as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly SPCH D077., D077X, D077Y and D077Z respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Demonstrate the ability to apply concepts of Communication Studies to the selected project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

COMM 77Z

Special Individual Projects in Communication Studies

4.0 Units

Individual special reading, writing, research, presentation, facilitation, teaching assistant, and/or community service/civic engagement leadership projects in Communication Studies as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly SPCH D077., D077X, D077Y and D077Z respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Demonstrate the ability to apply concepts of Communication Studies to the selected project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

COMM 78W

Special Topics in Communication Studies

1.0 Units

Examination of selected topics relating to the Communication Studies discipline. Subject matter will vary. Some courses may involve a service learning component.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly SPCH D078W, D078X, D078Y and D078Z respectively.)

Advisory(ies)
COMM 1, D001H, D010. or D010H

Student Learning Outcomes
- Demonstrate a mastery of the relevant overarching concepts as appropriate to the

topic of study.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

COMM 78X
Special Topics in Communication Studies

2.0 Units

Examination of selected topics relating to the Communication Studies discipline. Subject matter will vary. Some courses may involve a service learning component.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly SPCH D078W, D078X, D078Y and D078Z respectively.)

Advisory(ies)
COMM 1, D001H, D010. or D010H

Student Learning Outcomes
- Demonstrate a mastery of the relevant overarching concepts as appropriate to the topic of study.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

COMM 78Y
Special Topics in Communication Studies

3.0 Units

Examination of selected topics relating to the Communication Studies discipline. Subject matter will vary. Some courses may involve a service learning component.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly SPCH D078W, D078X, D078Y and D078Z respectively.)

Advisory(ies)
COMM 1, D001H, D010. or D010H

Student Learning Outcomes
- Demonstrate a mastery of the relevant overarching concepts as appropriate to the topic of study.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

COMM 78Z
Special Topics in Communication Studies

4.0 Units

Examination of selected topics relating to the Communication Studies discipline. Subject matter will vary. Some courses may involve a service learning component.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly SPCH D078W, D078X, D078Y and D078Z respectively.)

Advisory(ies)
COMM 1, D001H, D010. or D010H

Student Learning Outcomes
- Demonstrate a mastery of the relevant overarching concepts as appropriate to the topic of study.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

COUN 5
Introduction to College

1.0 Units

This course is an introduction to De Anza College that includes information about programs, services, policies, degrees, certificates, transfer requirements, and college culture. Students will focus on strategies needed for academic success and development of a preliminary Comprehensive Educational Plan.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly COUN D050.)

Student Learning Outcomes
- Identify potential majors, certificates, transfer institutions; understand eligibility requirements for AA/AS Degrees, Associate Degrees for Transfer (ADT) and general education as it applies to their academic goal.

- Students will be able to complete a Comprehensive Educational Plan according to their academic goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

COUN 80X
Special Topics in Counseling

1.0 Units

Selected counseling topics with a focus on academic and personal development.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate skills improvement from any or all of the following counseling related areas: academic, career or personal development.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

COUN 80Y
Special Topics in Counseling

2.0 Units

Selected counseling topics with a focus on academic and personal development.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate skills improvement from any or all of the following counseling related areas: academic, career or personal development.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

COUN 80Z
Special Topics in Counseling

3.0 Units

Selected counseling topics with a focus on academic and personal development.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate skills improvement from any or all of the following counseling related areas: academic, career or personal development.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

DANC 22
Body Awareness and Conditioning for Dancers

1.0 Units

This course will teach students the principles of dance and conditioning through floor work derived from ballet, contemporary dance, and other psycho-physical disciplines. Topics may include body mechanics, muscle groups critical to dance, flexibility, alignment, self-assessment, dance injury prevention, and strengthening the mind-body connection.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Ballet and Conditioning Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Ballet and Conditioning

Student Learning Outcomes
- Enhance both physical and intellectual understanding of how the body works, its limits and its potential.
- Experience an increase in flexibility, strength and coordination/body control.

- Gain a positive image of movement as a source of health.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

DANC 22K
Theory and Technique of Ballet I

1.0 Units

Introduction to the discipline and creative art of classical ballet, focusing on the development of elementary movement theory and techniques, including ballet barre and elementary center floor exercises.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Ballet and Conditioning Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Ballet and Conditioning

Student Learning Outcomes
- Analyze and employ basic elements of classical ballet technique.
- Perform elementary center floor exercises with proper body placement and coordination.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

DANC 22L
Theory and Technique of Ballet II

1.0 Units

Study and practice of the discipline and creative art of classical ballet, focusing on barre and center floor work, along with the acquisition of a working ballet vocabulary at a beginning level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
DANC 22K

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Ballet and Conditioning Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Ballet and Conditioning

Student Learning Outcomes
- Perform beginning-level ballet dance sequences demonstrating correct rhythms, body placement and coordination.
- Identify ballet terminology and movement at a beginning level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

DANC 22M
Theory and Technique of Ballet III

1.0 Units

Study and practice of the discipline and creative art of classical ballet, combining: traditional techniques center floor work emphasizing alignment/centering, motion through space, and the acquisition of an intermediate working ballet vocabulary.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly DANC D052M.)

Prerequisite(s)
DANC 22L

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Ballet and Conditioning Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Ballet and Conditioning

Student Learning Outcomes
- Peform at an intermediate level ballet dance sequences with consistent confidence demonstrating coordination.
- Identify ballet terminology and movement at an intermediate level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

DANC 23A

Theory and Technique of Contemporary (Modern) Dance I

1.0 Units

Introduction to the discipline and creative art of contemporary modern dance. Students will be instructed in one particular contemporary dance technique (i.e. Limon, Graham, Hawkins, etc.).

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Dance Technique Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Dance Technique

Student Learning Outcomes
- Perform the essential elementary exercise sequences of a contemporary dance technique,(i.e. Graham).
- Perform contemporary dance combinations on an introductory level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

DANC 23B

Theory and Technique of Contemporary (Modern) Dance II

1.0 Units

Study and practice of the discipline and creative art of contemporary dance focusing on practice, theory, technique, and movement explorations in time and space, in two contemporary dance techniques (i.e. Limon, Graham, etc.).

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
DANC 23A

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Dance Technique Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Dance Technique

Student Learning Outcomes
- Perform Intermediate contemporary dance exercises demonstrating correct body placement and coordination for specific techniques.
- Perform Intermediate contemporary dance combinations in two different techniques.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

DANC 23C

Theory and Technique of Contemporary (Modern) Dance III

1.0 Units

The discipline and creative art of contemporary dance focusing on practice, theory, technique, and movement explorations in time and space, developing a working advanced dance vocabulary in three contemporary dance techniques (i.e. Limon, Graham, Dunham).

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly DANC D053C.)

Prerequisite(s)
DANC 23B

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Dance Technique Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Dance Technique

Student Learning Outcomes
- Perform advanced contemporary dance exercises with consistent confidence demonstrating correct rhythms,body placement and coordination in three techniques.
- Perform advanced contemporary dance combinations in three different techniques.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0

Total	36.0	**Total**	0.0

DANC 23L

Theory and Technique of Hip-Hop I (Popular American Dance)

1.0 Units

This course is an introduction to the discipline of creative arts through hip-hop dance with an integrated fitness approach that focuses on developing the stabilization muscles in the center of the body. Students will concentrate on muscles of the torso, back, hips, inner and outer thighs, while the chest and abdominals will be used in conjunction with breathing, posture, and muscle awareness. Students will also be exposed to the great works and artists in the field and develop a working hip-hop dance vocabulary, as the course explores the theory and practice of basic hip-hop techniques.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Social/Cultural Dance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Social/Cultural Dance

Student Learning Outcomes
- Perform the basic steps and choreography required for successful dance collaboration and performance.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

DANC 23M

Theory and Technique of Hip-Hop II (Popular American Dance II)

1.0 Units

This course explores the discipline of creative arts through the theory and practice of hip-hop dance intermediate level technique, with an integrated fitness approach that focuses on developing the stabilization muscles of the center of the body. Concentration will be on muscles of the torso, back, hips, inner and outer thighs, chest and abdominals will be used in conjunction with breathing, posture, and muscle awareness. The course includes exposure to great works and multicultural artists of the field and the development of a working hip-hop dance vocabulary and performance skills.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
DANC 23L

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Social/Cultural Dance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Social/Cultural Dance

Student Learning Outcomes
- Perform the steps of hip-hop dance sequences with consistent confidence, demonstrating correct rhythms, body placement and coordination at an intermediate level.
- Create hip-hop dance sequences and express individuality through movement.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

DANC 23N

Theory and Technique of Hip-Hop III (Popular American Dance III)

1.0 Units

This course explores the discipline of creative arts through the theory and practice of hip-hop dance advanced level technique, with an integrated fitness approach that focuses on developing the stabilization muscles of the center of the body. Concentration will be on muscles of the torso, back, hips, inner and outer thighs, chest and abdominal muscles will be used in conjunction with breathing, posture, and muscle awareness. The course includes exposure to great works and multicultural artists of the field and development of a working hip-hop dance vocabulary and performance skills.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
DANC 23M

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Social/Cultural Dance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Social/Cultural Dance

Student Learning Outcomes
- Perform advanced steps and choreography required for successful collaboration and performance.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0

Total	36.0	**Total**	0.0

DANC 24A

Theory and Technique of Social Dance I

1.0 Units

Introduction to the discipline and creative art of social dance. Exposure to basic forms of social dance in a ballroom context. Developing a working vocabulary of traditional social dance movements and an understanding of the cultural and historical contexts that produced specific dance styles.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Social/Cultural Dance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Social/Cultural Dance

Student Learning Outcomes
- Perform the basic steps of a variety of fundamental traditional partner dances (Fox Trot, Hustle, Nite Club 2-Step, and Cha-Cha-Cha) at an introductory level demonstrating correct rhythms, and body placement while exhibiting traditional etiquette for social dance in a ballroom context.
- Identify the historical origins of the Fox Trot, Hustle, Nite Club 2-Step, and Cha-Cha-Cha.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

DANC 24B

Theory and Technique of Social Dance II

1.0 Units

Study of the discipline and creative art of social dance, part two. Exposure to basic forms of social dance in a ballroom context. Developing a working vocabulary of traditional social dance movements and an understanding of the cultural and historical contexts that produced the specific dances.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
DANC 24A

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Social/Cultural Dance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Social/Cultural Dance

Student Learning Outcomes
- Perform the basic steps of the: Waltz, Rhumba, Salsa,and West Coast Swing at a beginning level with consistent confidence, demonstrating correct rhythm, and body placement.
- Identify beginning ballroom steps of the : Waltz, Rhumba, Salsa, West Coast Swing with correct terminology; and choreograph movement combinations in those styles.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

DANC 24C

Theory and Technique of Social Dance III

1.0 Units

The art of social dance at an advanced level. Expanded exposure to basic forms of social dance in a ballroom context. Developing a working vocabulary of traditional social dance movements and an understanding of the cultural and historical contexts that produced specific dance styles.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
DANC 24B

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Social/Cultural Dance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Social/Cultural Dance

Student Learning Outcomes
- Perform the steps of the Tango, Mambo, Samba, and East Coast Swing at an intermediate level with consistent confidence, demonstrating correct rhythms, body placement and style appropriate for each genre.
- Identify the historical origins of the Tango, Mambo, Samba, and East Coast Swing. Perform choreographed movement combinations as well as improvisations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

DANC 25A

Theory and Technique of Salsa Dance I

1.0 Units

This is an introductory course to the discipline and creative art of salsa dance with exposure to the basic forms of social dance in a salsa dance context. Students will develop a working vocabulary of traditional salsa dance movements and an understanding of the cultural and historical contexts that produced specific dance styles.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Social/Cultural Dance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Social/Cultural Dance

Student Learning Outcomes
- Perform the basic steps of a variety of partner dances with consistent confidence, demonstrating correct body placement, while exhibiting traditional rhythms and forms of salsa dance.
- Analyze salsa dance and music combinations with correct terminology, and identify the cultural context of specific dance forms.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

DANC 25B
Theory and Technique of Salsa Dance II

1.0 Units

This is an intermediate course that follows on the creative art skills learned in Dance D025A: Theory and Technique of Salsa Dance I with exposure to intermediate forms of social dance in a salsa dance context. Students will develop a working vocabulary of traditional salsa dance movements and an understanding of the cultural and historical contexts that produced specific dance styles.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly DANC D065B.)

Prerequisite(s)
DANC 25A

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Social/Cultural Dance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Social/Cultural Dance

Student Learning Outcomes
- Perform basic, intermediate steps of Salsa dance sequences with consistent confidence, demonstrating correct rhythms, body placement and coordination.
- Create Salsa dance sequences and express individuality through movement.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

DANC 27A
Ballet Workshop (Student Productions)

2.0 Units

This course is an introduction to the ballet techniques of production and performance.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Dance Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Dance Performance

Student Learning Outcomes
- Perform the ballet techniques and theatrical skills necessary for public presentation.
- Identify the practical aspects of dance/theatre production and presentation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DANC 27B
Contemporary Modern Dance Workshop (Student Productions)

2.0 Units

This course is an introduction to the contemporary dance techniques of production and performance.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Dance Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Dance Performance

Student Learning Outcomes
- Perform the contemporary dance techniques and theatrical skills necessary for public presentation.
- Identify the practical aspects of dance/theatre production and presentation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DANC 27C

Popular Dance (Jazz, Hip-Hop) Workshop (Student Productions)

2.0 Units

This course is an introduction to the popular dance (jazz and hip-hop) techniques of production and performance.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Dance Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Dance Performance

Student Learning Outcomes
- Perform the popular dance (Jazz, Hip-hop) techniques and theatrical skills necessary for public presentation.
- Identify the practical aspects of dance/theatre production and presentation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DANC 27D

Social Dance Workshop (Student Productions)

2.0 Units

This course is an introduction to the social dance techniques of production and performance.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Dance Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Dance Performance

Student Learning Outcomes
- Perform the social dance techniques and theatrical skills necessary for public presentation.
- Identify the practical aspects of dance/theatre production and presentation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DANC 37A

Theory and Technique of Jazz Dance I

1.0 Units

Introduction to the discipline and creative art of jazz dance. Body conditioning, exposure to the history of major American artists, and their works. The development of a working vocabulary; and practice of elementary jazz dance techniques.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Dance Technique Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Dance Technique

Student Learning Outcomes
- Perform essential elementary exercise sequences of a jazz dance technique.
- Perform jazz dance combinations at an introductory level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0

Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

DANC 37B

Theory and Technique of Jazz Dance II

1.0 Units

Exploring elements of time, space, shape and motion as related to jazz dance on a Intermediate level. Body conditioning to increase functional range of motion and core muscular strength. Exposure to major international influences, artists, and works.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
DANC 37A

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Dance Technique Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Dance Technique

Student Learning Outcomes
- Perform the essential Intermediate exercise sequences of a jazz dance technique.
- Perform the steps of Intermediate jazz dance sequences with confidence, demonstrating correct rhythms, body placement and coordination.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

DANC 37C

Theory and Technique of Jazz Dance III

1.0 Units

Exploring elements of time, space, shape and motion as related to Advanced jazz dance. Body conditioning, exposure to major international influences, artists, and works. The practice and development of a working of jazz dance technical, vocabulary at an advanced level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly DANC D057C.)

Prerequisite(s)
DANC 37B

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Dance Technique Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Dance Technique

Student Learning Outcomes
- Perform essential advanced exercise sequences of a jazz dance technique.
- Perform jazz dance combinations at an advanced level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

DANC 38A

Appreciation of Dance

4.0 Units

This course is a study of dance as a cultural phenomenon, form of communication, socialization, recreation, artistic expression, and entertainment. Students will explore the history, traditions and works of outstanding artists.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Identify his/her own relationship to dance as a cultural phenomenon.
- Analyze and integrate their own artistic standards as they relate to dance performance and criticism.
- Demonstrate a general understanding of the history of dance in America.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

DMT 52

Geometric Dimensioning and Tolerancing: CAD Applications

2.0 Units

This course will focus on geometric dimensioning and tolerancing, utilizing ASME Y14.5M-2009 standards as they apply to engineering and manufacturing drawings. CAD drawings will be completed from solid models using multiple datums, symbols, feature control frames, and other GD&T specifications.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Create a document package containing components modeled using CAD design tools in accordance with ASME standards and engineering drawings compliant with ASME Y14.5.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	36.0	**Laboratory**	0.0
Total	48.0	**Total**	24.0

DMT 53
3D Printing, Reverse Engineering and Rapid Prototyping: Strategies in Industry

4.0 Units

The objective of this course is to present a comprehensive overview of 3D Printing, spanning from fundamentals to applications and technology trends. Participants will learn the fundamentals of (AM) Additive Manufacturing/3D Printing of polymers, metals, composites, and biomaterials, and will realize how process capabilities (rate, cost, quality) are determined by the material characteristics, process parameters, and machine designs. Application areas including aerospace components, electronics, high-tech, medical devices, and consumer products will be discussed by means of detailed examples and case studies. Particular emphasis will be placed on concepts of industry applications, and related design principles and process standards. In class sessions will run live demonstrations with state-of-the-art industry grade 3D Printers, 3D Laser scanners and reverse engineering tools. Participants will understand how to design, fabricate, and measure test parts, and explore Additive Manufacturing process limits as well as appropriate applications of these technologies.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Students who complete this course will be able to apply their knowledge of 3D Printing (AM) to analyze, compare, explain and utilize the various processes to prototyping and fabricate new mechanical designs and tools for industry.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

DMT 54
3D Printing/Additive Manufacturing: Theory and Practice

4.0 Units

A focus on design considerations and rapid prototyping applications of Additive Manufacturing (AM), commonly known as 3D Printing. Using a combination of lecture and hands-on projects, students will explore the design and material considerations within AM and will configure AM systems and build prototypes and functional parts. Guest lecturers from the AM industry will provide key insights and best practices across a wide array of AM technologies. Students are expected to have a fundamental understanding of at least one parametric modeling CAD system to produce functional designs.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
DMT 53

Student Learning Outcomes
- Apply knowledge of advanced Additive Manufacturing/3D Printing to analyze, compare, explain and utilize the primary production processes for prototyping and fabricating new mechanical designs and tools for industry implementation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

DMT 55
Survey of Design and Manufacturing Processes/Modern Fabrication

4.0 Units

This survey course is designed to introduce students to both design, manufacturing and modern fabrication, by means of demonstrations, with the following areas of emphasis: manufacturing processes, equipment and systems, design for manufacturing, measurement tools, blueprint reading, rapid prototyping (3D printers), CNC machine set-up, CNC machine programming (lathe and mill), CAD/CAM and quality control using geometric dimensioning and tolerancing (GD&T). This hands on, team based course is designed to provide students with instruction and skills through applied real world experience to enable insight as to how products are designed and fabricated. Students will be able to identify the terminology of each area, examine each technique and skill requirement, and gain a fundamental understanding of diverse industry processes.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Students will have a knowledge of manufacturing processes and the skills to develop and manipulate the operating parameters for a given design process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0

Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

DMT 56

3D Printing for AM Support Technicians and Operators

5.0 Units

The objective of this course is to present a comprehensive overview of the creation and operation of an Additive Manufacturing facility. Topics include specifying, installing, and operating different printer technologies, managing production 3D print queues, selecting material/technology for a print job, optimizing build configurations for each technology, employee safety, customer management, and other technical and business considerations.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
DMT 54 and DMT 60A (may be taken concurrently) or DMT D065A (may be taken concurrently) or equivalent

Student Learning Outcomes
- Demonstrate the skills required for each of the different roles (manager, operator, technician) within an Additive Manufacturing facility.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

DMT 57

Design for Additive Manufacturing (DfAM)

4.0 Units

This course follows on a series of Additive Manufacturing (AM) classes beginning with DMT D053. The objective of this course is to present a comprehensive overview of industrial AM or 3D Printing DfAM principles. The course will cover implementation and operation options in industry production and rapid prototyping. Students will understand and be able to take full advantage of unique capabilities from AM competencies, DfAM methods, tools, and available processes. Typical DfAM methods or tools include topology optimization, design for multiscale structures (lattice or cellular structures), multi-material design, mass customization, part consolidation, and other design methods which can make use of AM-enabled features.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
DMT 54 and DMT 60A (may be taken concurrently) or DMT D065A (may be taken concurrently) or equivalent

Student Learning Outcomes
- Apply the specific knowledge of 3D Printing (AM) to analyze, compare, explain and utilize various processes of prototyping and fabrication of mechanical designs to implement DfAM technology based on current industry processes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

DMT 60A

SolidWorks (Introduction)

4.0 Units

This course covers the fundamentals of computer-aided design and drafting using SolidWorks software, and applications of SolidWorks in creating manufacturing models (parts, assemblies, and drawings).

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Create an entry-level Document Package which includes (as assigned) Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using SolidWorks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 60B

SolidWorks (Introduction)

4.0 Units

This course covers the fundamentals of computer-aided design and drafting using SolidWorks software, and applications of SolidWorks in creating manufacturing models (parts, assemblies, and drawings).

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Create an entry-level Document Package which includes (as assigned) Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using SolidWorks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours | Course Out-of-Class Hours

Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 60C
SolidWorks (Introduction)

4.0 Units

This course covers the fundamentals of computer-aided design and drafting using SolidWorks software, and applications of SolidWorks in creating manufacturing models (parts, assemblies, and drawings).

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Create an entry-level Document Package which includes (as assigned) Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using SolidWorks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 60D
SolidWorks (Introduction)

4.0 Units

This course covers the fundamentals of computer-aided design and drafting using SolidWorks software, and applications of SolidWorks in creating manufacturing models (parts, assemblies, and drawings).

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Create an entry-level Document Package which includes (as assigned) Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using SolidWorks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 60E
SolidWorks (Introduction)

4.0 Units

This course covers the fundamentals of computer-aided design and drafting using SolidWorks software, and applications of SolidWorks in creating manufacturing models (parts, assemblies, and drawings).

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Create an entry-level Document Package which includes (as assigned) Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using SolidWorks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 61A
SolidWorks (Intermediate)

4.0 Units

This course covers the intermediate-level application of SolidWorks in creating and maintaining solid models and drawings. Special emphasis is given to the creation and development of new drawings based on preexisting solid models.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 60A-E course

Student Learning Outcomes
- Create & modify "Course-Supplied" intermediate-level Parts and Assemblies, using SolidWorks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 61B
SolidWorks (Intermediate)

4.0 Units

This course covers the intermediate-level application of SolidWorks in creating and maintaining solid models and drawings. Special emphasis is given to the creation and development of new drawings based on preexisting solid models.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 60A-E course

Student Learning Outcomes
- Create & modify "Course-Supplied" intermediate-level Parts and Assemblies, using SolidWorks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 61C
SolidWorks (Intermediate)

4.0 Units

This course covers the intermediate-level application of SolidWorks in creating and maintaining solid models and drawings. Special emphasis is given to the creation and development of new drawings based on preexisting solid models.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 60A-E course

Student Learning Outcomes
- Create & modify "Course-Supplied" intermediate-level Parts and Assemblies, using SolidWorks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 61D
SolidWorks (Intermediate)

4.0 Units

This course covers the intermediate-level application of SolidWorks in creating and maintaining solid models and drawings. Special emphasis is given to the creation and development of new drawings based on preexisting solid models.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 60A-E course

Student Learning Outcomes
- Create & modify "Course-Supplied" intermediate-level Parts and Assemblies, using SolidWorks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 61E
SolidWorks (Intermediate)

4.0 Units

This course covers the intermediate-level application of SolidWorks in creating and maintaining solid models and drawings. Special emphasis is given to the creation and development of new drawings based on preexisting solid models.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 60A-E course

Student Learning Outcomes
- Create & modify "Course-Supplied" intermediate-level Parts and Assemblies, using SolidWorks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 62A
SolidWorks: Top-Down Design and Advanced System Tools

4.0 Units

Advanced 3D Solid Modeling techniques using SolidWorks. Emphasis is on Advanced Assembly Mates, Large Assembly Management Tools, and Top-Down Design. In addition, time is given to safe and proper development of new Solid Models and Drawing Documents from legacy solid models, using so-called Top-Down Assembly techniques.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 61A-E course

Student Learning Outcomes
- Create and edit/maintain large & complex SolidWorks Assemblies using Advanced 3D Solid Modeling techniques & methods.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 62B
SolidWorks: Top-Down Design and Advanced System Tools

4.0 Units

Advanced 3D Solid Modeling techniques using SolidWorks. Emphasis is on Advanced Assembly Mates, Large Assembly Management Tools, and Top-Down Design. In addition, time is given to safe and proper development of new Solid Models and Drawing Documents from legacy solid models, using so-called Top-Down Assembly techniques.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 61A-E course

Student Learning Outcomes
- Create and edit/maintain large & complex SolidWorks Assemblies using Advanced 3D Solid Modeling techniques & methods.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 62C
SolidWorks: Top-Down Design and Advanced System Tools

4.0 Units

Advanced 3D Solid Modeling techniques using SolidWorks. Emphasis is on Advanced Assembly Mates, Large Assembly Management Tools, and Top-Down Design. In addition, time is given to safe and proper development of new Solid Models and Drawing Documents from legacy solid models, using so-called Top-Down Assembly techniques.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 61A-E course

Student Learning Outcomes
- Create and edit/maintain large & complex SolidWorks Assemblies using Advanced 3D Solid Modeling techniques & methods.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 62D
SolidWorks: Top-Down Design and Advanced System Tools

4.0 Units

Advanced 3D Solid Modeling techniques using SolidWorks. Emphasis is on Advanced Assembly Mates, Large Assembly Management Tools, and Top-Down Design. In addition, time is given to safe and proper development of new Solid Models and Drawing Documents from legacy solid models, using so-called Top-Down Assembly techniques.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 61A-E course

Student Learning Outcomes
- Create and edit/maintain large & complex SolidWorks Assemblies using Advanced 3D Solid Modeling techniques & methods.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 62E
SolidWorks: Top-Down Design and Advanced System Tools

4.0 Units

Advanced 3D Solid Modeling techniques using SolidWorks. Emphasis is on Advanced Assembly Mates, Large Assembly Management Tools, and Top-Down Design. In addition, time is given to safe and proper development of new Solid Models and Drawing Documents from legacy solid models, using so-called Top-Down Assembly techniques.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 61A-E course

Student Learning Outcomes
- Create and edit/maintain large & complex SolidWorks Assemblies using Advanced 3D Solid Modeling techniques & methods.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 63A
SolidWorks: Surface Modeling

4.0 Units

Surface design using SolidWorks software to create organic 3D shapes that follow processed-based (or task-based) approach to modeling. Application of multifaceted surfaces features in designing product models and molds for industry.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 60A-E course

Student Learning Outcomes
- Create and edit/manipulate complex SolidWorks Surfacing design using Advanced 3D Surfacing Modeling techniques & methods.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 63B
SolidWorks: Surface Modeling

4.0 Units

Surface design using SolidWorks software to create organic 3D shapes that follow processed-based (or task-based) approach to modeling. Application of multifaceted surfaces features in designing product models and molds for industry.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 60A-E course

Student Learning Outcomes
- Create and edit/manipulate complex SolidWorks Surfacing design using Advanced 3D Surfacing Modeling techniques & methods.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 63C
SolidWorks: Surface Modeling

4.0 Units

Surface design using SolidWorks software to create organic 3D shapes that follow processed-based (or task-based) approach to modeling. Application of multifaceted surfaces features in designing product models and molds for industry.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 60A-E course

Student Learning Outcomes
- Create and edit/manipulate complex SolidWorks Surfacing design using Advanced 3D Surfacing Modeling techniques & methods.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 63D
SolidWorks: Surface Modeling

4.0 Units

Surface design using SolidWorks software to create organic 3D shapes that follow processed-based (or task-based) approach to modeling. Application of multifaceted surfaces features in designing product models and molds for industry.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 60A-E course

Student Learning Outcomes
- Create and edit/manipulate complex SolidWorks Surfacing design using Advanced 3D Surfacing Modeling techniques & methods.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 63E

SolidWorks: Surface Modeling

4.0 Units

Surface design using SolidWorks software to create organic 3D shapes that follow processed-based (or task-based) approach to modeling. Application of multifaceted surfaces features in designing product models and molds for industry.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 60A-E course

Student Learning Outcomes
- Create and edit/manipulate complex SolidWorks Surfacing design using Advanced 3D Surfacing Modeling techniques & methods.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 64A

SolidWorks Simulation (Finite Element Analysis)

4.0 Units

This course covers the application of SolidWorks Simulation using Finite Element Analysis (FEA) to validate and optimize 3D models by measuring stress and displacement distributions of new designs through simulating responses to structural and thermal loads.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 60A-E course

Student Learning Outcomes
- Utilize and manipulate complex industry design analysis tools through simulating responses to structural and thermal loads using SolidWorks Simulation with Finite Element Analysis techniques & methodologies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 64B

SolidWorks Simulation (Finite Element Analysis)

4.0 Units

This course covers the application of SolidWorks Simulation using Finite Element Analysis (FEA) to validate and optimize 3D models by measuring stress and displacement distributions of new designs through simulating responses to structural and thermal loads.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 60A-E course

Student Learning Outcomes
- Utilize and manipulate complex industry design analysis tools through simulating responses to structural and thermal loads using SolidWorks Simulation with Finite Element Analysis techniques & methodologies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 64C

SolidWorks Simulation (Finite Element Analysis)

4.0 Units

This course covers the application of SolidWorks Simulation using Finite Element Analysis (FEA) to validate and optimize 3D models by measuring stress and displacement distributions of new designs through simulating responses to structural and thermal loads.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 60A-E course

Student Learning Outcomes
- Utilize and manipulate complex industry design analysis tools through simulating responses to structural and thermal loads using SolidWorks Simulation with Finite Element Analysis techniques & methodologies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 64D
SolidWorks Simulation (Finite Element Analysis)

4.0 Units

This course covers the application of SolidWorks Simulation using Finite Element Analysis (FEA) to validate and optimize 3D models by measuring stress and displacement distributions of new designs through simulating responses to structural and thermal loads.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 60A-E course

Student Learning Outcomes
- Utilize and manipulate complex industry design analysis tools through simulating responses to structural and thermal loads using SolidWorks Simulation with Finite Element Analysis techniques & methodologies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 64E
SolidWorks Simulation (Finite Element Analysis)

4.0 Units

This course covers the application of SolidWorks Simulation using Finite Element Analysis (FEA) to validate and optimize 3D models by measuring stress and displacement distributions of new designs through simulating responses to structural and thermal loads.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 60A-E course

Student Learning Outcomes
- Utilize and manipulate complex industry design analysis tools through simulating responses to structural and thermal loads using SolidWorks Simulation with Finite Element Analysis techniques & methodologies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 65A
Creo Parametric (Introduction)

4.0 Units

This course covers the fundamentals of computer-aided design using Creo Parametric. Application of Creo Parametric software in creating manufacturing models, understanding parametric, parent-child derived features to create 3-D parts, assemblies, and drawings.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Create an entry-level Document Package which includes Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using Creo Parametric.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 65B
Creo Parametric (Introduction)

4.0 Units

This course covers the fundamentals of computer-aided design using Creo Parametric. Application of Creo Parametric software in creating manufacturing models, understanding parametric, parent-child derived features to create 3-D parts, assemblies, and drawings.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Create an entry-level Document Package which includes Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using Creo Parametric.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 65C

Creo Parametric (Introduction)

4.0 Units

This course covers the fundamentals of computer-aided design using Creo Parametric. Application of Creo Parametric software in creating manufacturing models, understanding parametric, parent-child derived features to create 3-D parts, assemblies, and drawings.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Create an entry-level Document Package which includes Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using Creo Parametric.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 65D

Creo Parametric (Introduction)

4.0 Units

This course covers the fundamentals of computer-aided design using Creo Parametric. Application of Creo Parametric software in creating manufacturing models, understanding parametric, parent-child derived features to create 3-D parts, assemblies, and drawings.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Create an entry-level Document Package which includes Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using Creo Parametric.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 65E

Creo Parametric (Introduction)

4.0 Units

This course covers the fundamentals of computer-aided design using Creo Parametric. Application of Creo Parametric software in creating manufacturing models, understanding parametric, parent-child derived features to create 3-D parts, assemblies, and drawings.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Create an entry-level Document Package which includes Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using Creo Parametric.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 66A

Creo Parametric (Intermediate)

4.0 Units

This course covers the intermediate-level application of Creo Parametric that expands the basic knowledge and understanding of solid models and drawings. Special emphasis is given to the creation of parts, assemblies, and drawings which are more complex and technically more difficult than those projects found in the course prerequisite.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 65A-E course

Student Learning Outcomes
- Create an intermediate-level Document Package which includes Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using Creo Parametric.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours	Course Out-of-Class Hours

Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 66B

Creo Parametric (Intermediate)

4.0 Units

This course covers the intermediate-level application of Creo Parametric that expands the basic knowledge and understanding of solid models and drawings. Special emphasis is given to the creation of parts, assemblies, and drawings which are more complex and technically more difficult than those projects found in the course prerequisite.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 65A-E course

Student Learning Outcomes
- Create an intermediate-level Document Package which includes Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using Creo Parametric.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 66C

Creo Parametric (Intermediate)

4.0 Units

This course covers the intermediate-level application of Creo Parametric that expands the basic knowledge and understanding of solid models and drawings. Special emphasis is given to the creation of parts, assemblies, and drawings which are more complex and technically more difficult than those projects found in the course prerequisite.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 65A-E course

Student Learning Outcomes
- Create an intermediate-level Document Package which includes Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using Creo Parametric.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 66D

Creo Parametric (Intermediate)

4.0 Units

This course covers the intermediate-level application of Creo Parametric that expands the basic knowledge and understanding of solid models and drawings. Special emphasis is given to the creation of parts, assemblies, and drawings which are more complex and technically more difficult than those projects found in the course prerequisite.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 65A-E course

Student Learning Outcomes
- Create an intermediate-level Document Package which includes Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using Creo Parametric.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 66E

Creo Parametric (Intermediate)

4.0 Units

This course covers the intermediate-level application of Creo Parametric that expands the basic knowledge and understanding of solid models and drawings. Special emphasis is given to the creation of parts, assemblies, and drawings which are more complex and technically more difficult than those projects found in the course prerequisite.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 65A-E course

Student Learning Outcomes
- Create an intermediate-level Document Package which includes Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using Creo Parametric.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 67A

Creo Parametric: Top-Down Design and Advanced System Tools

4.0 Units

Advanced 3D Solid Modeling techniques using Creo Parametric. Emphasis is on Advanced Assembly Mates, Large Assembly Management Tools, and Top-Down Design. In addition, time is given to safe and proper development of new Solid Models and Drawing Documents from legacy solid models, using Top-Down Assembly techniques. Exploration of intricate models (parts, assemblies, sheetmetal and complex feature sets).

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 65A-E course

Student Learning Outcomes

- Functioning as a designer using Creo Parametric, the student will create an engineering document package which complies with industry-defined standards and shall include the following; components modeled using CAD design tools, assemblies generated from multiple components and engineering drawings for components and assemblies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 67B

Creo Parametric: Top-Down Design and Advanced System Tools

4.0 Units

Advanced 3D Solid Modeling techniques using Creo Parametric. Emphasis is on Advanced Assembly Mates, Large Assembly Management Tools, and Top-Down Design. In addition, time is given to safe and proper development of new Solid Models and Drawing Documents from legacy solid models, using Top-Down Assembly techniques. Exploration of intricate models (parts, assemblies, sheetmetal and complex feature sets).

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 65A-E course

Student Learning Outcomes

- Functioning as a designer using Creo Parametric, the student will create an engineering document package which complies with industry-defined standards and shall include the following; components modeled using CAD design tools, assemblies generated from multiple components and engineering drawings for components and assemblies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 67C

Creo Parametric: Top-Down Design and Advanced System Tools

4.0 Units

Advanced 3D Solid Modeling techniques using Creo Parametric. Emphasis is on Advanced Assembly Mates, Large Assembly Management Tools, and Top-Down Design. In addition, time is given to safe and proper development of new Solid Models and Drawing Documents from legacy solid models, using Top-Down Assembly techniques. Exploration of intricate models (parts, assemblies, sheetmetal and complex feature sets).

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 65A-E course

Student Learning Outcomes

- Functioning as a designer using Creo Parametric, the student will create an engineering document package which complies with industry-defined standards and shall include the following; components modeled using CAD design tools, assemblies generated from multiple components and engineering drawings for components and assemblies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 67D

Creo Parametric: Top-Down Design and Advanced System Tools

4.0 Units

Advanced 3D Solid Modeling techniques using Creo Parametric. Emphasis is on Advanced Assembly Mates, Large Assembly Management Tools, and Top-Down Design. In addition, time is given to safe and proper development of new Solid Models and Drawing Documents from legacy solid models, using Top-Down Assembly techniques. Exploration of intricate models (parts, assemblies, sheetmetal and complex feature sets).

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 65A-E course

Student Learning Outcomes

- Functioning as a designer using Creo Parametric, the student will create an engineering document package which complies with industry-defined standards and shall include the following; components modeled using CAD design tools, assemblies generated from multiple components and engineering drawings for components and assemblies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 67E

Creo Parametric: Top-Down Design and Advanced System Tools

4.0 Units

Advanced 3D Solid Modeling techniques using Creo Parametric. Emphasis is on Advanced Assembly Mates, Large Assembly Management Tools, and Top-Down Design. In addition, time is given to safe and proper development of new Solid Models and Drawing Documents from legacy solid models, using Top-Down Assembly techniques. Exploration of intricate models (parts, assemblies, sheetmetal and complex feature sets).

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 65A-E course

Student Learning Outcomes

- Functioning as a designer using Creo Parametric, the student will create an engineering document package which complies with industry-defined standards and shall include the following; components modeled using CAD design tools, assemblies generated from multiple components and engineering drawings for components and assemblies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 68A

Creo Parametric Surface Modeling

4.0 Units

Parametric and free-form surfacing methodologies in Creo are used to create organic 3D shapes that follow a processed-based (or task-based) approach to modeling. This course includes the application of multifaceted surface features in designing product models and molds for industry.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 65A-E course

Student Learning Outcomes

- Create and edit complex Creo Parametric Surfacing design using Advanced 3D Surfacing and Interactive Surface Design Extension (ISDX) Modeling techniques & methodologies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 68B

Creo Parametric Surface Modeling

4.0 Units

Parametric and free-form surfacing methodologies in Creo are used to create organic 3D shapes that follow a processed-based (or task-based) approach to modeling. This course includes the application of multifaceted surface features in designing product models and molds for industry.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 65A-E course

Student Learning Outcomes

- Create and edit complex Creo Parametric Surfacing design using Advanced 3D Surfacing and Interactive Surface Design Extension (ISDX) Modeling techniques & methodologies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 68C

Creo Parametric Surface Modeling

4.0 Units

Parametric and free-form surfacing methodologies in Creo are used to create organic 3D shapes that follow a processed-based (or task-based) approach to modeling. This course includes the application of multifaceted surface features in designing product models and molds for industry.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 65A-E course

Student Learning Outcomes

- Create and edit complex Creo Parametric Surfacing design using Advanced 3D Surfacing and Interactive Surface Design Extension (ISDX) Modeling techniques & methodologies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 68D

Creo Parametric Surface Modeling

4.0 Units

Parametric and free-form surfacing methodologies in Creo are used to create organic 3D shapes that follow a processed-based (or task-based) approach to modeling. This course includes the application of multifaceted surface features in designing product models and molds for industry.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 65A-E course

Student Learning Outcomes
- Create and edit complex Creo Parametric Surfacing design using Advanced 3D Surfacing and Interactive Surface Design Extension (ISDX) Modeling techniques & methodologies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 68E

Creo Parametric Surface Modeling

4.0 Units

Parametric and free-form surfacing methodologies in Creo are used to create organic 3D shapes that follow a processed-based (or task-based) approach to modeling. This course includes the application of multifaceted surface features in designing product models and molds for industry.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Any DMT 65A-E course

Student Learning Outcomes
- Create and edit complex Creo Parametric Surfacing design using Advanced 3D Surfacing and Interactive Surface Design Extension (ISDX) Modeling techniques & methodologies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 70A

Introduction to Computer Aided Design Using AutoCAD

4.0 Units

Introduction-level computer-aided design and drafting using AutoCAD software. Emphasis on 2D drawings and dimensioning.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Create an entry level Document Package which includes (as assigned) Solid Parts, Assemblies and Basic Drawings for Parts and Assemblies, using AutoCAD.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 70B

Introduction to Computer Aided Design Using AutoCAD

4.0 Units

Introduction-level computer-aided design and drafting using AutoCAD software. Emphasis on 2D drawings and dimensioning.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Create an entry level Document Package which includes (as assigned) Solid Parts, Assemblies and Basic Drawings for Parts and Assemblies, using AutoCAD.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 70C

Introduction to Computer Aided Design Using AutoCAD

4.0 Units

Introduction-level computer-aided design and drafting using AutoCAD software. Emphasis on 2D drawings and dimensioning.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Create an entry level Document Package which includes (as assigned) Solid Parts, Assemblies and Basic Drawings for Parts and Assemblies, using AutoCAD.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 70D

Introduction to Computer Aided Design Using AutoCAD

4.0 Units

Introduction-level computer-aided design and drafting using AutoCAD software. Emphasis on 2D drawings and dimensioning.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Create an entry level Document Package which includes (as assigned) Solid Parts, Assemblies and Basic Drawings for Parts and Assemblies, using AutoCAD.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 70E

Introduction to Computer Aided Design Using AutoCAD

4.0 Units

Introduction-level computer-aided design and drafting using AutoCAD software. Emphasis on 2D drawings and dimensioning.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Create an entry level Document Package which includes (as assigned) Solid Parts, Assemblies and Basic Drawings for Parts and Assemblies, using AutoCAD.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 73A

Introduction to Computer Aided Design Using Autodesk Inventor

4.0 Units

Introduction-level computer-aided design and drafting using AutoDesk Inventor software. Application of AutoDesk Inventor in creating manufacturing models (parts, assemblies and drawings).

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Create an entry-level Design Document Package which includes (as assigned) Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using AutoDesk Inventor.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 73B

Introduction to Computer Aided Design Using Autodesk Inventor

4.0 Units

Introduction-level computer-aided design and drafting using AutoDesk Inventor software. Application of AutoDesk Inventor in creating manufacturing models (parts, assemblies and drawings).

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Create an entry-level Design Document Package which includes (as assigned) Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using AutoDesk Inventor.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 73C

Introduction to Computer Aided Design Using Autodesk Inventor

4.0 Units

Introduction-level computer-aided design and drafting using AutoDesk Inventor software. Application of AutoDesk Inventor in creating manufacturing models (parts, assemblies and drawings).

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Create an entry-level Design Document Package which includes (as assigned) Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using AutoDesk Inventor.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 73D

Introduction to Computer Aided Design Using Autodesk Inventor

4.0 Units

Introduction-level computer-aided design and drafting using AutoDesk Inventor software. Application of AutoDesk Inventor in creating manufacturing models (parts, assemblies and drawings).

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Create an entry-level Design Document Package which includes (as assigned) Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using AutoDesk Inventor.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 73E

Introduction to Computer Aided Design Using Autodesk Inventor

4.0 Units

Introduction-level computer-aided design and drafting using AutoDesk Inventor software. Application of AutoDesk Inventor in creating manufacturing models (parts, assemblies and drawings).

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes

- Create an entry-level Design Document Package which includes (as assigned) Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using AutoDesk Inventor.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 75A
Introduction to Computer Aided Design Using Siemens NX

4.0 Units

Introduction-level application of Siemens NX in manufacturing models. This course covers solid modeling, assemblies and drawings.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Create an entry-level Design Document Package which includes (as assigned) Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using Siemsns NX.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 75B
Introduction to Computer Aided Design Using Siemens NX

4.0 Units

Introduction-level application of Siemens NX in manufacturing models. This course covers solid modeling, assemblies and drawings.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Create an entry-level Design Document Package which includes (as assigned) Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using Siemsns NX.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 75C
Introduction to Computer Aided Design Using Siemens NX

4.0 Units

Introduction-level application of Siemens NX in manufacturing models. This course covers solid modeling, assemblies and drawings.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Create an entry-level Design Document Package which includes (as assigned) Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using Siemsns NX.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 75D
Introduction to Computer Aided Design Using Siemens NX

4.0 Units

Introduction-level application of Siemens NX in manufacturing models. This course covers solid modeling, assemblies and drawings.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Create an entry-level Design Document Package which includes (as assigned) Solid

Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using Siemsns NX.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 75E

Introduction to Computer Aided Design Using Siemens NX

4.0 Units

Introduction-level application of Siemens NX in manufacturing models. This course covers solid modeling, assemblies and drawings.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Create an entry-level Design Document Package which includes (as assigned) Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using Siemsns NX.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	72.0	**Laboratory**	0.0
Total	96.0	**Total**	48.0

DMT 77A

Special Projects in Manufacturing and CNC/Mastercam Certification Level 1

2.0 Units

Projects advancing student's knowledge and experience in computer numerical control machining using Mastercam CAD/CAM software, a selected area of Design and Manufacturing Technology. Project type and design will be determined through consultation with the instructor based on Mill Design and Toolpaths. Upon successful completion of the course the student will have the opportunity to earn an Associate Level Certificate from Mastercam.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D080A.)

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Complete advanced project or projects utilizing skills learned in basic CAD/CAM programming.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 77B

Special Projects in Manufacturing and CNC/Mastercam Certification Level 2

2.0 Units

Projects advancing student's knowledge and experience in computer numerical control machining using Mastercam CAD/CAM software, a selected area of Design and Manufacturing Technologies. Project type and design will be determined through consultation with the instructor based on Advanced Mill Design and Toolpaths. Upon successful completion of the course the student will have the opportunity to earn an Associate Level Certificate from Mastercam.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D080B.)

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Complete advanced project or projects utilizing skills learned in surface contouring CAD/CAM programming.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 77C

Special Projects in Manufacturing and CNC/Mastercam Certification Level 3

2.0 Units

Projects advancing student's knowledge and experience in computer numerical control machining using Mastercam CAD/CAM software, a selected area of Design and Manufacturing Technologies. Project type and design will be determined through consultation with the

instructor based on Multiaxis Mill, Lathe design and Toolpaths. Upon successful completion of the course the student will have the opportunity to earn an Associate Level Certificate from Mastercam.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D080C.)

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Complete advanced project or projects utilizing skills learned in Lathe and Multi Axis CAD/CAM programming.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 77D
Special Projects In Manufacturing and CNC/NIMS Level 1

2.0 Units

Projects advancing student's knowledge and experience in computer numerical control and conventional machining, selected areas of Design and Manufacturing Technologies. Project type and design will be determined through consultation with the instructor based on the National Institute for Metalworking Skills certification program. Upon successful completion of the course the student will have the opportunity to earn multiple Level 1 NIMS certifications.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D080D.)

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Complete advanced project or projects utilizing skills learned in entry level DMT courses.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 77E
Special Projects In Manufacturing and CNC/NIMS Level 2

2.0 Units

Projects advancing student's knowledge and experience in computer numerical control and conventional machining, selected areas of Design and Manufacturing Technologies. Project type and design will be determined through consultation with the instructor based on the National Institute for Metalworking Skills certification program. Upon successful completion of the course the student will have the opportunity to earn multiple Level 2 NIMS certifications.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D080E.)

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Complete advanced project or projects utilizing skills learned in intermediate DMT courses.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 77F
Special Projects In Manufacturing and CNC/NIMS Level 3

2.0 Units

Projects advancing student's knowledge and experience in computer numerical control, a selected area of Design and Manufacturing Technologies. Project type and design will be determined through consultation with the instructor based on the National Institute for Metalworking Skills certification program. Upon successful completion of the course the student will have the opportunity to earn multiple Level 3 NIMS certifications.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D080F.)

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Complete advanced project or projects utilizing skills learned in advanced DMT courses.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 77G

Special Projects in 3D Printing/Additive Manufacturing

2.0 Units

Projects advancing students' knowledge and experience in a selected area of Additive Manufacturing/3D Printing. Project type and design will be determined through consultation with the instructor based on FDM or PolyJet Process.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Complete advanced project or projects utilizing skills learned in advanced DMT courses.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 77H

Special Projects for Additive Manufacturing in the Digital Factories

2.0 Units

Projects advancing students' knowledge and experience in a selected area of Additive Manufacturing in the Digital Factories. Project type and design will be determined through consultation with the instructor based on FDM, FFF or PolyJet Process.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Complete advanced project or projects utilizing skills learned in advanced DMT courses.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 77J

Special Projects in Additive Manufacturing for Rapid Prototyping

2.0 Units

Projects advancing students' knowledge and experience in a selected area of Additive Manufacturing for Rapid Prototyping. Project type and design will be determined through consultation with the instructor based on Fused Deposition Modeling FDM or Fused filament fabrication FFF, Material Jetting, Stereolithography.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Complete advanced project or projects utilizing skills learned in advanced DMT courses.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 77X

Special Projects in CAD

1.0 Units

This course involves projects advancing students' knowledge and experience in a selected area of Computer-Aided Design. Students will complete project objectives/requirements as determined in 3, 4, and 5 of the Special Projects Contract.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Create an engineering document package which complies with industry-defined standards and shall include the following; components modeled using CAD design tools, assemblies generated from multiple components and engineering drawings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

DMT 77Y

Special Projects in CAD

2.0 Units

This course involves projects advancing students' knowledge and experience in a selected area of Computer-Aided Design. Students will complete project objectives/requirements as determined in 3, 4, and 5 of the Special Projects Contract.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Create an engineering document package which complies with industry-defined standards and shall include the following; components modeled using CAD design tools, assemblies generated from multiple components and engineering drawings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 77Z

Special Projects in CAD

3.0 Units

This course involves projects advancing students' knowledge and experience in a selected area of Computer-Aided Design. Students will complete project objectives/requirements as determined in 3, 4, and 5 of the Special Projects Contract.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Create an engineering document package which complies with industry-defined standards and shall include the following; components modeled using CAD design tools, assemblies generated from multiple components and engineering drawings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

DMT 80

Introduction to Machining and CNC Processes

5.0 Units

Manufacturing lab safety. Precision measuring tools and practices. Basic manual machine operations: pedestal grinders, drill presses, saws, lathes and milling machines. Threads: types, applications and use of taps and dies. Computer Numerical Control (CNC) mills: axis moves, cutters, tooling, basic setup and controller function. Cutter speed and feed calculations.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D071.)

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Analyze, construct, and inspect assigned machined projects using the introductory principles of machining.
- Operate machines and equipment safely.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 82

Advanced Conventional Machine Tools, Tool Design, Abrasive Machining

5.0 Units

Advanced machining and abrasive machining practices using conventional machine tools and surface grinders. Introduction to fixture design including location, clamping methods and computation of fits and allowances.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D077.)

Prerequisite(s)
DMT 80 with a grade of C or better or equivalent

Student Learning Outcomes
- Analyze, construct, and inspect assigned machined projects using advanced principles of machining.
- Demonstrate safe operation of specialized machining equipment to construct advanced assemblies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 84A

Introduction to CNC Programming and Operation; Mill

5.0 Units

Introduction to mill tool path programming using G & M code format. CNC systems and components including machine controller functions and operations. Program entry, editing, and verification. Calculation for mill cutter compensation. Precision inspection techniques. Basic mill setups, including cutting tool selection, and work holding.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D075A.)

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Advisory(ies)
DMT 80 or experience in machining processes

Student Learning Outcomes
- Demonstrate the set up and basic operation of vertical machining centers.
- Create basic word-address programs to successfully construct projects using vertical machining centers.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 84B

CNC Programming and Operation; Intermediate Mill

5.0 Units

Intermediate CNC Mill tool path programming using word address format, including coordinate system, cutter compensation and canned cycles. Intermediate mill programming using subprograms, alternate work coordinate systems and macros. Program entry, editing, and back plotting. Machine controller functions and operations. Single point threading and Unified thread form classes and measurement. Indexable tool insert selection.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D075B.)

Prerequisite(s)
DMT 84A or equivalent with a grade of C or better

Student Learning Outcomes
- Demonstrate the set up and advanced operation of vertical machining centers.
- Create advanced word-address programs to successfully construct projects using vertical machining centers.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 84C

CNC Lathes-Horizontal Mill-4th Axis Rotary-Programming Operations

5.0 Units

CNC lathe tool path programming using G&M code format, including tool orientation, compensation and canned cycles. Programming for CNC horizontal machining centers and 4th axis rotary tables. Horizontal machining center and lathe controller functions, setup and operations. Fixture design for mills and lathes; base plate layout, supporting, locating, and clamping practices.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D075C.)

Prerequisite(s)
DMT 84A or equivalent work experience

Student Learning Outcomes
- Demonstrate the set up and operation of lathes, horizontal machining centers, and rotary axis.
- Create word-address programs to successfully construct projects using lathes, horizontal machining centers, and rotary axis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 87A

CAD/CAM Programming Using Mastercam

5.0 Units

Introduction to Mastercam three axis mill programming. Create part geometry, define tools and tool paths, using post-processors to produce word-address format programs.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D076A.)

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Advisory(ies)
Basic understanding of mills and lathe operations.

Student Learning Outcomes
- Construct basic part geometry using Mastercam.
- Produce tool paths from basic part geometry to create word address programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 87B
CAD/CAM Programming Using Mastercam

5.0 Units

Introduction to Mastercam three axis mill programming. Create part geometry, define tools and tool paths, using post-processors to produce word-address format programs.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D076B.)

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Advisory(ies)
Basic understanding of mills and lathe operations.

Student Learning Outcomes
- Construct basic part geometry using Mastercam.
- Produce tool paths from basic part geometry to create word address programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 87C
CAD/CAM Programming Using Mastercam

5.0 Units

Introduction to Mastercam three axis mill programming. Create part geometry, define tools and tool paths, using post-processors to produce word-address format programs.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D076C.)

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Advisory(ies)
Basic understanding of mills and lathe operations.

Student Learning Outcomes

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 87D
CAD/CAM Programming Using Mastercam

5.0 Units

Introduction to Mastercam three axis mill programming. Create part geometry, define tools and tool paths, using post-processors to produce word-address format programs.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D076D.)

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Advisory(ies)
Basic understanding of mills and lathe operations.

Student Learning Outcomes
- Construct basic part geometry using Mastercam.
- Produce tool paths from basic part geometry to create word address programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0

Total	108.0	**Total**	72.0

DMT 87E

CAD/CAM Programming Using Mastercam

5.0 Units

Introduction to Mastercam three axis mill programming. Create part geometry, define tools and tool paths, using post-processors to produce word-address format programs.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D076E.)

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Advisory(ies)
Basic understanding of mills and lathe operations.

Student Learning Outcomes
- Construct basic part geometry using Mastercam.
- Produce tool paths from basic part geometry to create word address programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 87F

CAD/CAM Based CNC Surface Contouring Programming Using Mastercam

5.0 Units

CAD/CAM programming for continuous 3-axis contouring on machining centers using wireframe, splines, surface and solid modeling. Rough, finish and high speed machining. Editing, post-processing and verification of completed programs.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D076F.)

Prerequisite(s)
Any DMT 87A-E course

Student Learning Outcomes
- Construct advanced surface geometry using Mastercam.
- Produce tool paths from advanced surface geometry to create word address programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 87G

CAD/CAM Based CNC Surface Contouring Programming Using Mastercam

5.0 Units

CAD/CAM programming for continuous 3-axis contouring on machining centers using wireframe, splines, surface and solid modeling. Rough, finish and high speed machining. Editing, post-processing and verification of completed programs.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D076G.)

Prerequisite(s)
Any DMT 87A-E course

Student Learning Outcomes
- Construct advanced surface geometry using Mastercam.
- Produce tool paths from advanced surface geometry to create word address programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 87H

CAD/CAM Based CNC Surface Contouring Programming Using Mastercam

5.0 Units

CAD/CAM programming for continuous 3-axis contouring on machining centers using wireframe, splines, surface and solid modeling. Rough, finish and high speed machining. Editing, post-processing and verification of completed programs.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D076H.)

Prerequisite(s)
Any DMT 87A-E course

Student Learning Outcomes
- Construct advanced surface geometry using Mastercam.
- Produce tool paths from advanced surface geometry to create word address programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 87J

CAD/CAM Based CNC Surface Contouring Programming Using Mastercam

5.0 Units

CAD/CAM programming for continuous 3-axis contouring on machining centers using wireframe, splines, surface and solid modeling. Rough, finish and high speed machining. Editing, post-processing and verification of completed programs.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D076J.)

Prerequisite(s)
Any DMT 87A-E course

Student Learning Outcomes
- Construct advanced surface geometry using Mastercam.
- Produce tool paths from advanced surface geometry to create word address programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 87K

CAD/CAM Based CNC Surface Contouring Programming Using Mastercam

5.0 Units

CAD/CAM programming for continuous 3-axis contouring on machining centers using wireframe, splines, surface and solid modeling. Rough, finish and high speed machining. Editing, post-processing and verification of completed programs.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D076K.)

Prerequisite(s)
Any DMT 87A-E course

Student Learning Outcomes
- Construct advanced surface geometry using Mastercam.
- Produce tool paths from advanced surface geometry to create word address programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 87L

CAD/CAM Based CNC 4 and 5 Axis Mill/Lathe Programming Using Mastercam

5.0 Units

Advanced Mastercam multiaxis toolpaths for horizontal milling machines, vertical milling machines with rotary 4th axis, five axis indexing machining centers and CNC lathe with live tooling. Tooling, process, fixture design, work holding techniques and toolpath applications with rotary axis.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D076L.)

Prerequisite(s)
Any DMT 87A-E course

Student Learning Outcomes
- Construct and import advanced part geometry using Mastercam.
- Produce tool paths from advanced part geometry to create word address programs for lathes and multi-axis machining centers.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 87M

CAD/CAM Based CNC 4 and 5 Axis Mill/Lathe Programming Using Mastercam

5.0 Units

Advanced Mastercam multiaxis toolpaths for horizontal milling machines, vertical milling machines with rotary 4th axis, five axis indexing machining centers and CNC lathe with live tooling. Tooling, process, fixture design, work holding techniques and toolpath applications with rotary axis.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D076M.)

Prerequisite(s)
Any DMT 87A-E course

Student Learning Outcomes

- Construct and import advanced part geometry using Mastercam.
- Produce tool paths from advanced part geometry to create word address programs for lathes and multi-axis machining centers.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 87N
CAD/CAM Based CNC 4 and 5 Axis Mill/Lathe Programming Using Mastercam

5.0 Units

Advanced Mastercam multiaxis toolpaths for horizontal milling machines, vertical milling machines with rotary 4th axis, five axis indexing machining centers and CNC lathe with live tooling. Tooling, process, fixture design, work holding techniques and toolpath applications with rotary axis.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D076N.)

Prerequisite(s)
Any DMT 87A-E course

Student Learning Outcomes
- Construct and import advanced part geometry using Mastercam.
- Produce tool paths from advanced part geometry to create word address programs for lathes and multi-axis machining centers.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 87P
CAD/CAM Based CNC 4 and 5 Axis Mill/Lathe Programming Using Mastercam

5.0 Units

Advanced Mastercam multiaxis toolpaths for horizontal milling machines, vertical milling machines with rotary 4th axis, five axis indexing machining centers and CNC lathe with live tooling. Tooling, process, fixture design, work holding techniques and toolpath applications with rotary axis.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D076P.)

Prerequisite(s)
Any DMT 87A-E course

Student Learning Outcomes
- Construct and import advanced part geometry using Mastercam.
- Produce tool paths from advanced part geometry to create word address programs for lathes and multi-axis machining centers.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 87Q
CAD/CAM Based CNC 4 and 5 Axis Mill/Lathe Programming Using Mastercam

5.0 Units

Advanced Mastercam multiaxis toolpaths for horizontal milling machines, vertical milling machines with rotary 4th axis, five axis indexing machining centers and CNC lathe with live tooling. Tooling, process, fixture design, work holding techniques and toolpath applications with rotary axis.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D076Q.)

Prerequisite(s)
Any DMT 87A-E course

Student Learning Outcomes
- Construct and import advanced part geometry using Mastercam.
- Produce tool paths from advanced part geometry to create word address programs for lathes and multi-axis machining centers.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 89A
CAM Based CNC Multi-Axis Programming Using NX

5.0 Units

NX is an advanced fixed-axis and multi-axis milling course designed for CNC programmers

who machine simple or complex parts with fixed and variable tool capabilities. Students will learn how to create fixed and variable axis tool paths. NX workflows for machining contoured parts, high-speed machining methods, milling holes and threads, and milling turbine blade type parts will be introduced.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D078A.)

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Produce tool paths from advanced surface geometry to create word address programs.
- Produce tool paths from advanced part geometry to create word address programs for multi-axis machining centers.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 89B
CAM Based CNC Multi-Axis Programming Using NX

5.0 Units

NX is an advanced fixed-axis and multi-axis milling course designed for CNC programmers who machine simple or complex parts with fixed and variable tool capabilities. Students will learn how to create fixed and variable axis tool paths. NX workflows for machining contoured parts, high-speed machining methods, milling holes and threads, and milling turbine blade type parts will be introduced.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Produce tool paths from advanced surface geometry to create word address programs.
- Produce tool paths from advanced part geometry to create word address programs for multi-axis machining centers.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 89C
CAM Based CNC Multi-Axis Programming Using NX

5.0 Units

NX is an advanced fixed-axis and multi-axis milling course designed for CNC programmers who machine simple or complex parts with fixed and variable tool capabilities. Students will learn how to create fixed and variable axis tool paths. NX workflows for machining contoured parts, high-speed machining methods, milling holes and threads, and milling turbine blade type parts will be introduced.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Produce tool paths from advanced surface geometry to create word address programs.
- Produce tool paths from advanced part geometry to create word address programs for multi-axis machining centers.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 89D
CAM Based CNC Multi-Axis Programming Using NX

5.0 Units

NX is an advanced fixed-axis and multi-axis milling course designed for CNC programmers who machine simple or complex parts with fixed and variable tool capabilities. Students will learn how to create fixed and variable axis tool paths. NX workflows for machining contoured parts, high-speed machining methods, milling holes and threads, and milling turbine blade type parts will be introduced.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Produce tool paths from advanced surface geometry to create word address programs.
- Produce tool paths from advanced part geometry to create word address programs for multi-axis machining centers.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0

Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 89E

CAM Based CNC Multi-Axis Programming Using NX

5.0 Units

NX is an advanced fixed-axis and multi-axis milling course designed for CNC programmers who machine simple or complex parts with fixed and variable tool capabilities. Students will learn how to create fixed and variable axis tool paths. NX workflows for machining contoured parts, high-speed machining methods, milling holes and threads, and milling turbine blade type parts will be introduced.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Produce tool paths from advanced surface geometry to create word address programs.
- Produce tool paths from advanced part geometry to create word address programs for multi-axis machining centers.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	72.0	**Laboratory**	0.0
Total	108.0	**Total**	72.0

DMT 90

Print Reading and Machine Shop Calculations

4.5 Units

Interpretation of multi-view engineering blue prints, visualization techniques, auxiliary and section views. Appraisal of revision columns, title blocks and bill of materials. Introduction to geometric dimensioning and tolerancing (GD&T) using ANSI and ISO standards. Review of calculations used to solve common problems found in print interpretation and inspection.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D060.)

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Demonstrate the ability to interpret multi-view drawings and prints.
- Demonstrate the ability to solve common calculations found in machine shop applications.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

DMT 91

Dimensional Metrology

4.5 Units

Applications and capabilities of semi-precision and precision measuring tools, including scaled, vernier and digital instruments, used in manufacturing environments to inspect production and prototype parts. Introduction to the use of the optical comparator and CMM (coordinate measuring machine)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Demonstrate the ability to utilize common guages, measurement instruments, and calibration tools.
- Demonstrate the applications of precision measurement instruments.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

DMT 92

Applied GD&T (ASME Y14.5m); Coordinate Measuring Machines (CMM)

4.0 Units

Interpretation of specifications and inspection procedures related to current ASME Y14.5 Geometric Dimensioning and Tolerancing (GD&T) standards. Applications and capabilities of precision measuring tools, including the computer-aide Coordinate Measuring Machine (CMM), used in manufacturing environments to inspect discrete complex parts. Machine and inspected part set-up for measuring form, orientation, and position callouts.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D072.)

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Advisory(ies)
Experience in blueprint reading.

Student Learning Outcomes
- Apply geometric dimensioning and tolerancing standards to interpret drawings and inspect manufactured parts.
- Demonstrate basic operation of the coordinate measuring machine to inspect manufactured parts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

DMT 93
Introduction to Quality Assurance

4.0 Units

Introduction to the measurement and statistical processes and inspection methods used by quality control technicians. Evaluation and design of equipment calibration systems and programs. Investigation of different continuous improvement techniques and programs, including Total Quality Management (TQM) and Statistical Process Control (SPC). Review of quality audit systems as well as failure analysis and troubleshooting tools.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Demonstrate an understanding of quality assurance objectives, methods, and processes.
- Demonstrate a working knowledge of calibration systems, inspection methodology, statistical process control indices, and quality sampling techniques.
- Explain quality improvement concepts and a working knowledge of continuous improvement programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

DMT 95
Manufacturing Materials and Processes

4.0 Units

Applied materials and process analysis. Materials and process selection techniques. The role of metals, polymers, ceramics and composites in the casting, molding, forging, forming, machining, joining, heat and surface treatment processes.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly MCNC D064.)

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Conduct material property analysis to determine appropriate material selection and use.
- Analyze, compare, and explain manufacturing processes such as molding, forming, forging and casting.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

DMT 101
CAD Technology Laboratory Creo Parametric (Beginning)

2.0 Units

Self-paced introductory projects and computer based training on Creo software. Instruction is in the use of CAD technology using projects from other Creo courses. Learning assistance is provided in a designated De Anza center by an approved De Anza instructor who is trained in Creo software.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly CDI D101Z.)

Student Learning Outcomes
- Create an entry-level Document Package which includes (as assigned) Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using Creo.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 102
CAD Technology Laboratory SolidWorks (Beginning)

2.0 Units

Self-paced introductory projects and computer based training on SolidWorks software. Instruction is in the use of CAD technology using projects from other SolidWorks courses. Learning assistance is provided in a designated De Anza center by an approved De Anza instructor who is trained in SolidWorks software.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly CDI D102Z.)

Student Learning Outcomes

- Create an entry-level Document Package which includes (as assigned) Solid Parts, Assemblies, and Basic Drawings for Parts and Assemblies, using SolidWorks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 103
CAD Technology Laboratory Creo Parametric (Intermediate)

2.0 Units

Self-paced intermediate projects and computer based training on Creo software. Instruction is in the use of CAD technology using projects from other Creo courses. Learning assistance is provided in a designated De Anza center by an approved De Anza instructor who is trained in Creo software.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly CDI D103Z.)

Student Learning Outcomes

- Create an intermediate-level Document Package which includes (as assigned) Solid Parts, Assemblies, and Drawings for Parts and Assemblies, using Creo.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 104
CAD Technology Laboratory SolidWorks (Intermediate)

2.0 Units

Self-paced intermediate projects and computer based training on SolidWorks software. Instruction is in the use of CAD technology using projects from other SolidWorks courses. Learning assistance is provided in a designated De Anza center by an approved De Anza instructor who is trained in SolidWorks software.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly CDI D104Z.)

Student Learning Outcomes

- Create an intermediate Document Package which includes (as assigned) Solid Parts, Assemblies, and Drawings for Parts and Assemblies, using SolidWorks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 105
CAD Technology Laboratory Creo Parametric (Advanced)

2.0 Units

Self-paced advanced projects and computer based training on Creo software. Instruction is in the use of CAD technology using advanced extended projects based on other Creo courses. Learning assistance is provided in a designated De Anza center by an approved De Anza instructor who is trained in Creo software.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly CDI D105Z.)

Student Learning Outcomes

- Create an advanced-level Document Package which includes (as assigned) Solid Parts, Assemblies, and Drawings for Parts and Assemblies, using SolidWorks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 106
CAD Technology Laboratory SolidWorks (Advanced)

2.0 Units

Self-paced advanced projects and computer based training on SolidWorks software. Instruction is in the use of CAD technology using projects from other SolidWorks courses. Learning assistance is provided in a designated De Anza center by an approved De Anza instructor who is trained in SolidWorks software.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly CDI D106Z.)

Student Learning Outcomes

- Create an advanced-level Document Package which includes (as assigned) Solid Parts, Assemblies, and Drawings for Parts and Assemblies, using SolidWorks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 107
CAD Technology Laboratory Creo Parametric (Surfaces)

2.0 Units

Self-paced projects and computer based training on Creo software. Instruction is in the use of CAD technology using projects from other Creo courses. Learning assistance is provided in a designated De Anza center by an approved De Anza instructor who is trained in Creo software.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly CDI D107Z.)

Student Learning Outcomes
- Create an engineering document package which complies with industry-defined standards and shall include the following: components modeled using CAD design tools; assemblies generated from multiple components; engineering drawings for components and assemblies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 108
CAD Technology Laboratory SolidWorks (Surfaces)

2.0 Units

Self-paced projects and computer based training on SolidWorks software. Instruction is in the use of CAD technology using projects from other SolidWorks courses. Learning assistance is provided in a designated De Anza center by an approved De Anza instructor who is trained in SolidWorks software.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly CDI D108Z.)

Student Learning Outcomes
- Create an engineering document package which complies with industry-defined standards and shall include the following: components modeled using CAD design tools; assemblies generated from multiple components; engineering drawings for components and assemblies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 109
CAD Technology Laboratory Creo Parametric (Sheetmetal)

2.0 Units

Self-paced projects and computer based training on Creo software. Instruction is in the use of CAD technology using projects from other Creo courses. Learning assistance is provided in a designated De Anza center by an approved De Anza instructor who is trained in Creo software.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly CDI D109Z.)

Student Learning Outcomes
- Create an engineering document package which complies with industry-defined standards and shall include the following: components modeled using CAD design tools; assemblies generated from multiple components; engineering drawings for components and assemblies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 110
CAD Technology Laboratory Geometric Dimensioning and Tolerancing

2.0 Units

Self-paced projects and computer based training on CAD software. Instruction is in the use of CAD technology to create models and drawings complying with ANSI Y14.5 Geometric Dimensioning and Tolerancing. Learning assistance is provided in a designated De Anza center by an approved De Anza instructor who is trained in CAD software.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly CDI D110Z.)

Student Learning Outcomes
- Create an engineering document package which complies with industry-defined standards and shall include the following: components modeled using CAD design tools; assemblies generated from multiple components; engineering drawings for components and assemblies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 201
Manufacturing and CNC Technology Laboratory/Conventional Machining 1

2.0 Units

Use of Design and Manufacturing Technology labs for additional/advanced projects in DMT D080., Introduction to Machining and CNC Processes. Projects will vary based on the students skill level and the direction of the instructor.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly MCNC D201.)

Corequisite(s)
DMT 80

Student Learning Outcomes
- Complete assignments and practice skills from co-requisite DMT class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 202
Manufacturing and CNC Technology Laboratory/CNC Machining 1

2.0 Units

Use of Design and Manufacturing Technology labs for additional/advanced projects in DMT D084A, Introduction to Computer-Aided Numerical Control (CNC) Programming and Operation; Mills. Projects will vary based on the students skill level and the direction of the instructor.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly MCNC D202.)

Corequisite(s)
DMT 84A

Student Learning Outcomes
- Complete assignments and practice skills from co-requisite DMT class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 203
Manufacturing and CNC Technology Laboratory/CNC Machining 2

2.0 Units

Use of Design and Manufacturing Technology labs for additional/advanced projects in DMT D084B, Computer-Aided Numerical Control (CNC) Programming and Operation; Lathe Introduction, Advanced Mills. Projects will vary based on the students skill level and the direction of the instructor.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly MCNC D203.)

Corequisite(s)
DMT 84B

Student Learning Outcomes
- Complete assignments and practice skills from co-requisite DMT class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 204
Manufacturing and CNC Technology Laboratory/CNC Machining 3

2.0 Units

Use of Design and Manufacturing Technology labs for additional/advanced projects in DMT D084C, Computer-Aided Numerical Control (CNC) Lathes and Horizontal Machining Centers; Programming and Operation, 4th Axis Rotary, Fixture Design. Projects will vary based on the students skill level and the direction of the instructor.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly MCNC D204.)

Corequisite(s)
DMT 84C

Student Learning Outcomes
- Complete assignments and practice skills from co-requisite DMT class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

DMT 205

Manufacturing and CNC Technology Laboratory/CAD CAM Programming 1

2.0 Units

Use of Design and Manufacturing Technologies labs for additional/advanced projects in DMT D087A-E, CAD/CAM Based Computer Numerical Control Programming Using Mastercam. Projects will vary based on the students skill level and the direction of the instructor. CNC equipment will be utilized to complete projects.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly MCNC D205.)

Corequisite(s)
Any DMT 87A-E course

Student Learning Outcomes
- Complete assignments and practice skills from co-requisite DMT class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

E S 1

Introduction to Environmental Studies

4.0 Units

An introductory study of environmental issues, their underlying causes and potential solutions from an interdisciplinary perspective, considering science, history, culture, philosophy, and ethics, law and regulation, politics, economics, and management practices. Topics include current environmental issues related to nature/wildlife preservation, natural resource use and conservation, pollution control and prevention, and energy use and climate change. Students learn how their personal and career choices and actions can protect nature, preserve natural resources, prevent pollution, reduce energy demands and decrease climate change impacts for the benefit of current and future generations.

(One field trip may be required outside of class time.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Examine, analyze, and demonstrate an understanding of the impact associated with human interaction with the environment based on interdisciplinary factors such as worldviews, cultures, politics, history, ethics, laws and regulations, economics, and management principles.
- Demonstrate a coherent understanding of environmental issues, their underlying causes and potential solutions from an interdisciplinary perspective.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

E S 2

Introduction to Sustainability

4.0 Units

An introduction to sustainability through environmental, social, and economic evaluation. Students will learn the influence of societal resource use, distribution, and waste on earth. Climate change, power dynamics, and leadership are observed as influences on sustainability.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Analyze an environmental (or societal) issues through the lens of sustainable development theory.
- Analyze the connection between sustainability and food production.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

E S 3
Imagery of the Environment

4.0 Units

An introduction to the academic discipline of Environmental Studies through historical and contemporary analysis of nature-based imagery. What those representations indicate about past and present environmental changes will be discussed. Roles of the artist as naturalist, scientist and conservationist will be explored, as well as visual representation by a diverse range of cultural groups.

(One field trip outside of class time may be required.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Analyze how human relationship with nature has changed over time and the resulting impacts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

E S 4
Energy, the Environment, and Society

4.0 Units

Energy plays a dominant role in our modern global industrialized society. Rapid growth of human populations worldwide, combined with increases in fossil fuel related energy to support human activities have caused social, environmental, health and safety, political and economic ramifications. Damage to land, sea, and air, nuclear and oil spill disasters, global political strife, greenhouse gas emissions, species extinction and habitat degradation, and economic inflation are all associated with our need to have abundant amounts of energy in our lives. Many issues faced in the world we live in are the result of the extraction, production, transmission, distribution and consumption of energy. Energy and its negative impacts know no social, economic, cultural, racial, gender, religious, political, geographic or environmental boundaries. This course examines how our energy demands and its ramifications affect everyone on the planet.

(Field trip outside of scheduled class time may be required for this course.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Examine the evolution of energy over time and its impact on earth's resources and environmental degradation.
- Demonstrate an understanding of the actions individuals can take to reduce energy consumption, pollution and greenhouse gas emissions.
- Examine and analyze the wide ranging impact of energy on the triple bottom line of sustainability- People Planet and Profit.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

E S 6
Introduction to Environmental Law

4.0 Units

An introduction to environmental law and associated regulation in the U.S. and California, addressing the areas of air quality, water quality, waste management, hazardous materials management, natural resources management and preservation, global warming/climate change, and land use, along with environmental equity/justice concerns.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate the ability to communicate the elements, principles and practices involved with Environmental Law and associated Regulation in the U.S. and California.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

E S 50
Introduction to Environmental Resource Management and Pollution Prevention

4.0 Units

This course is an introduction to the interrelated fields of Environmental Resource Management (ERM) and Pollution Prevention (P2), surveying the areas of environmental law and regulation, environmental health, pollution control and prevention, environmental impact assessment, sustainable/"green" design, climate protection, and efficient/sustainable use of our fundamental environmental resources (air, water, land, food, climate, and extracted materials including timber, energy resources, and minerals/mined materials). The course explores associated job and career opportunities in the ERM and P2 fields.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability

Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate the ability to communicate the elements, principles and practices involved with Environmental Resource Management and Pollution Prevention.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

E S 51A
Sustainable Energy Systems

4.0 Units

Examines Energy Management Technology and the importance and applications of building performance, controls and monitoring using the Kirsch Center for Environmental Studies and other campus-wide buildings in a lab setting. An understanding of electric power, the electric power industry and the economics of distributed energy resources is provided in the course. The essential characteristics of traditional and renewable energy systems such as wind, solar and fuel cells will also be examined.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ES 70 (may be taken concurrently) and E S D079. (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Assess basic electromagnetic and electric power concepts and the function of the electric utility industry.
- Demonstrate an understanding of the theories and principles of energy conversion.
- Examine and demonstrate an ability to calculate and analyze the output of sustainable energy systems.
- Analyze, evaluate and report on data obtained from various laboratory related activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

E S 51B
Energy Efficient Buildings

3.0 Units

A general overview of Energy Efficient Buildings with an emphasis on residential and small commercial buildings is presented in this course. Specific topics to be covered include: energy use in buildings, bioclimatic design, indoor environmental quality, heat transfer concepts, load and energy calculations, HVAC systems and equipment, and natural and artificial lighting. A hands-on lab component will accompany the lecture presentations.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ES 71 (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Assess environmentally responsive building strategies and systems that control indoor environmental conditions while providing human comfort and minimal energy use.
- Demonstrate an understanding of the fundamental scientific principles governing the thermal and luminous behavior of buildings.
- Demonstrate the ability to conduct basic energy math analysis as it relates to the energy demand and load of buildings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

E S 51C
Building Automation Systems

2.0 Units

Examines detailed strategies and principles for building operation systems and controls. Course covers building automation systems including IP based solutions and looks at the financial return on investment of implementing a building management and control system. The Kirsch Center for Environmental Studies and other campus-wide buildings as a learning laboratory will be utilized.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly E S D078B.)

Prerequisite(s)
ES 78 (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Evaluate energy efficiency savings as a result of building automation systems and control implementation.
- Summarize the terminology, physics and principles of energy management and building control systems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	36.0	**Laboratory**	0.0
Total	48.0	**Total**	24.0

E S 56

Introduction to Environmental Health

4.0 Units

An introduction to the field of environmental health, a branch of public health that deals with the effects that environmental hazards – such as air and water pollution, industrial and hazardous wastes, noise and radiation, food and waterborne diseases, vectors (disease-carrying organisms), and pesticides and other toxic chemical-containing products, including consumer products – have on human health. Investigates the laws, regulations, standards and policies governing environmental and occupational exposures, and the means (principles and practices) used to reduce human health risks from such exposures. Explores associated job and career opportunities in the field.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate the ability to communicate the elements, principles and practices utilized in the field of environmental health.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

E S 58

Introduction to Green Building

1.0 Units

An overview of the strategies to implement a green building project within an organization. Strategies include green building policies, best practices and guidelines including LEED (Leadership in Energy and Environmental Design), passive solar design, use of sustainable materials and energy efficiency in buildings, as well as an assessment of the impact of construction and buildings on society, economics, the environment.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Assess (apply) the criteria necessary to be successful in the Introduction to Green Building class.
- Investigate and communicate the relationship between the elements and principles of green building design, the economy, sustainability and society.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

E S 61A

Environmental Resource Management and Pollution Prevention: Air, Water and Land

4.0 Units

Explores environmental protection (pollution control and prevention) and resource management, focusing on our air, water and land resources. Examines the scientific, legal, technical and practical management aspects involved in protecting and sustainably using/managing such resources. Explores associated job and career opportunities in these areas.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
ES 50

Student Learning Outcomes
- Demonstrate the ability to communicate the elements, principles and practices involved with Environmental Resource Management and Pollution Prevention as it specifically relates to our basic air, water and land resources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

E S 61B

Environmental Resource Management and Pollution Prevention: Energy, Chemicals and Waste

4.0 Units

Explores environmental protection (pollution control and prevention) and resource management, focusing on: 1) energy and chemical production and use and 2) prevention and management of solid and hazardous waste. Examines the scientific, legal, technical and practical management aspects involved in: 1) producing and using energy and chemicals/chemical products, 2) recovering resources from waste materials and 3) disposing of non-recoverable waste materials. Explores associated job and career opportunities in these areas.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
ES 50

Student Learning Outcomes
- Demonstrate the ability to communicate the elements, principles and practices involved with Environmental Resource Management and Pollution Prevention as it specifically relates to 1) our energy and chemical production and use and 2) prevention and management of our solid and hazardous waste.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

E S 61L
Environmental Resource Management and Pollution Prevention Laboratory

1.0 Units

This is a laboratory course focused on using environmental sampling, monitoring and assessment devices and equipment, and analytical tools to detect and quantify environmental contaminants present in the air, water, and soil, and to assess the overall quality of those basic environmental resources.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate the ability to effectively utilize environmental sampling, monitoring and assessment devices and equipment and analytical tools to detect and quantify environmental pollutants/contaminants present in air, water and soil, as well as assess the overall quality of those basic environmental resources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

E S 62A
Environmental Management Tools: Environmental Management Systems and Environmental Performance Reporting

4.0 Units

Examines: 1) Environmental Management Systems (systematic approaches, such as ISO 14001 and EMAS, used to achieve both regulatory compliance and "beyond compliance" environmental improvement within businesses and other organizations), and 2) Environmental Performance Reporting (involving publicly available reports issued by businesses and other organizations showing their environmental performance based on established metrics). Also includes an examination of Green Business Certification programs. Explores associated job and career opportunities in these areas.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate the ability to communicate the elements, principles and practices involved with Environmental Management Systems and associated Environmental Performance Reporting.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

E S 62B
Environmental Management Tools: CEQA and Environmental Impact Reports (EIRs)

4.0 Units

Examines the "CEQA process" with particular emphasis on Environmental Impact Reports (EIRs) which are used as a means to identify, assess, mitigate (as feasible) and then publicly disclose the significant environmental effects of certain proposed projects (both public and private) as required under the California Environmental Quality Act (CEQA). Case studies involving local projects are presented along with examination of corresponding CEQA documents, including EIRs. Explores job and career opportunities associated with CEQA/Environmental Impact Assessment and Reporting.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate the ability to communicate the elements, principles and practices involved with the "CEQA process" and Environmental Impact Report (EIR) generation and use.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

E S 62C
Environmental Management Tools: Environmental Site Assessments (ESAs)

4.0 Units

Examines Environmental Site Assessments (ESAs) which are used to assess (prior to their sale or redevelopment/ reuse) commercial, light industrial, and "brownfield" sites for significant environmental contamination and, if found, then develop and evaluate alternatives to "remediate" (clean up or contain) the contamination found to acceptable levels. Focus is on

the required components of a standard Phase I ESA and associated report generation. Explores associated job and career opportunities.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate the ability to communicate the elements, principles and practices involved with conducting, reporting and using the results of Environmental Site Assessments (ESAs).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

E S 62D
Environmental Management Tools: Industrial Ecology and Sustainable Design Principles

4.0 Units

Examines Industrial Ecology (applying the lessons of nature to industrial processes, products and systems) and associated sustainable design concepts, principles and tools (such as Life Cycle Impact Assessments, Design for the Environment, Biomimicry, Green Chemistry/Green Chemicals, Green Building, Energy Efficiency & Conservation, Water Efficiency & Conservation, Zero Waste). Also includes an examination of Product Stewardship (Extended Producer Responsibility) policies to enhance reuse/recycling efforts and prevent pollution. Explores associated job and career opportunities.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate the ability to communicate the elements, principles and practices involved with Industrial Ecology and Sustainable Design.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

E S 63
Global Environmental Policy

1.0 Units

An overview of global environmental policies relating to the global commons, sustainable development theory and other environmental themes. A discussion of historic and current policies such as conventions and agreements on climate change, land degradation, resource management, hazardous waste, chemicals and environmental impact assessments.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Analyze environmental policy at a global level.
- Analyze and communicate global environmental policy implementation with integration of the importance of stakeholders and environmental, social, and economic impacts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

E S 64
Climate Change Mitigation and Adaptation in California

4.0 Units

This course will examine the various strategies and approaches being taken at the state and local/regional levels to address both the root causes and the anticipated effects of global warming/climate change here in California. Students will explore associated job and career opportunities in monitoring, mitigation, and adaptation to climate change.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate the ability to communicate the elements, principles and practices involved with climate change mitigation and adaptation in California.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

E S 69
Energy Management Within Your Organization

1.0 Units

An overview of strategies to assist in preparing an energy management action plan for your organization and staff. The strategies include model board policy, administrative guidelines, assembling an energy management action team, assessing the impact of energy policy on society, and an overview of key stakeholders in the energy field.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Assess the criteria necessary to be successful in Energy Reliability.
- Understand the process of continuous improvement in relation to an organization establishing an effective energy management plan.
- Investigate and communicate the relationship between: energy efficiency, ethic justice principles, ecological and biological principles and evaluate the role of energy management in establishing and fostering sustainable society.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

E S 69A
Introduction to Facilities Management

3.0 Units

An introduction to the key concepts of Facility Management that range from the role the facility manager plays in the organization to the skill sets and competencies required to effectively perform the FM role. Building facilities are a company's second largest asset. It is important for facility managers to play a key role in supporting the company's largest asset -- the employees. The successful FM can help improve employee productivity and job satisfaction, ultimately leading to improved financial outcomes for the company and happier, healthier and productive work environments for employees.
(One or more facility management field trip may be required for this class).

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Assess the roles and responsibilities of Facility Managers and understand the technical and business skills required in the FM profession.
- Analyze and understand the basics of building systems.
- Understand and demonstrate the cross functional nature of the successful facility manager and be able to identify internal stakeholders and external stakeholders the FM deals with.
- Analyze and demonstrate how to manage and track customer relationships in Facility Management.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

E S 70
Introduction to Energy

1.0 Units

Provides a general overview of the field of Energy Management and its importance to society at all levels. In particular, the evaluation, operation, and maintenance of energy systems in residential and small commercial buildings will be looked at, including alternative and renewable energy sources, in order to improve efficiency, reduce costs, and minimize environmental impacts.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Assess (apply) the value and components of a successful energy management program.
- Understand and be able to demonstrate knowledge of energy and energy efficiency principles, energy bills, auditing techniques, simple economic analyses, and energy conservation measures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

E S 71
Introduction to Sustainable Buildings

1.0 Units

Presents a general overview of Energy Efficient Buildings with an emphasis on residential and small commercial buildings. Specific topics to be covered include: energy use in buildings, bioclimatic design, energy basics, heat transfer concepts, whole building thermal analysis, as well as other important building energy efficient issues.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Examine environmentally responsive building strategies and systems for controlling the indoor environment in order to provide comfort and health while minimizing energy use.
- Understand the fundamental scientific principles governing the thermal environment of buildings.
- Analyze building energy calculations to provide maximum cost reduction, human comfort and worker productivity.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

E S 76
Energy Star Products

1.0 Units

This course provides an introduction to Energy Star products including high efficiency, high-performance commercial, industrial and residential equipment, and appliances that reduce energy consumption and save money.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Assess (apply) the criteria necessary to be successful in the Energy Star Products class.
- Demonstrate through in class assignments and submitted homework assignments, an understanding of the US EPA's Energy Star program principles,rating, and those affected by the program and how the program is implemented nationwide.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

E S 76A
Solar Thermal Systems

1.0 Units

This course presents a general overview of Solar Thermal Systems with an emphasis on residential hot water applications. It introduces the physics of solar thermal energy, siting analysis, sizing design, and other relevant aspects of solar thermal systems.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Assess and examine various types of solar thermal systems and their applications.
- Conduct and successfully complete a solar energy site assessment and quantify the amount of solar energy available at a particular site.
- Demonstrate the ability to properly size a residential solar hot water system for domestic hot water applications.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

E S 77X
Special Projects in Environmental Studies

1.0 Units

This course requires students to conduct an individual research project in environmental studies that is determined in consultation with the instructor. An outside reading and written report are required.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Demonstrate the ability to communicate work place or field studies principles and practices learned from an Environmental Studies special project experience.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

E S 77Y
Special Projects in Environmental Studies

2.0 Units

This course requires students to conduct an individual research project in environmental studies that is determined in consultation with the instructor. An outside reading and written report are required.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Demonstrate the ability to communicate work place or field studies principles and practices learned from an Environmental Studies special project experience.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

E S 77Z
Special Projects in Environmental Studies

3.0 Units

This course requires students to conduct an individual research project in environmental studies that is determined in consultation with the instructor. An outside reading and written report are required.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Demonstrate the ability to communicate work place or field studies principles and practices learned from an Environmental Studies special project experience.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

E S 78
Introduction to Energy Management Systems and Controls

1.0 Units

Describes the most commonly used controls and energy management systems in commercial and institutional applications. Topics will include complex automatic systems for major energy-consuming equipment, as well as simple controls, including time clocks, occupancy sensors, photocells, and programmable thermostats. Computer-based energy management systems, as well as control systems to reduce peak electrical demand will be discussed.

(One out-of-class field trip may be required for this course.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Assess (apply) the criteria necessary to be successful in the Energy Management Systems and Controls class.
- Demonstrate an understanding of energy efficiency principles, principles of energy management, control system design and a sustainable society utilizing energy management and control systems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

E S 79
Renewable and Alternative Energy Systems

1.0 Units

An introduction to the potential for renewable and alternative energy systems when adding power generation capacity for a site or large facility. Life-cycle cost comparisons between renewable energy systems and conventional power generation and the added potential of reducing peak power demand will be emphasized. Topics include photovoltaic power systems, wind energy systems, and fuel cells.

(One out-of-class field trip may be required for this course.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Assess the positive impact renewable energy systems have in regard to Global Climate Change.
- Demonstrate an understanding of the principles of renewable energy generation, economic analysis and a sustainable society utilizing renewable energy generation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

E S 80
California Field Studies

1.0 Units

Field observation of California's native plants and animals in aquatic and terrestrial ecosystems, with an emphasis on endangered, rare, protected and reintroduced species. The underlying social, environmental protection, environmental justice, economic, and political issues associated with habitat and species loss will be discussed, as well as impacts on various cultural, ethnic and socio-economic groups.
(Off-campus field trips may be required.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Identify ecosystem protection and policies as they relate to environmental and health effects on various species as well as on individuals, cultures, and society.
- Identify and assess natural communities and watersheds in the California Floristic Province and demonstrate an understanding of the social and environmental

parameters that affect these natural communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

E S 80X
California Field Studies

2.0 Units

Field observation of California's native plants and animals in aquatic and terrestrial ecosystems, with an emphasis on endangered, rare, protected and reintroduced species. The underlying social, environmental protection, environmental justice, economic, and political issues associated with habitat and species loss will be discussed, as well as impacts on various cultural, ethnic and socio-economic groups.
(Off-campus field trips may be required.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Identify ecosystem protection and policies as they relate to environmental and health effects on various species as well as on individuals, cultures, and society.
- Identify and assess natural communities and watersheds in the California Floristic Province and demonstrate an understanding of the social and environmental parameters that affect these natural communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

E S 80Y
California Field Studies

3.0 Units

Field observation of California's native plants and animals in aquatic and terrestrial ecosystems, with an emphasis on endangered, rare, protected and reintroduced species. The underlying social, environmental protection, environmental justice, economic, and political issues associated with habitat and species loss will be discussed, as well as impacts on various cultural, ethnic and socio-economic groups.
(Off-campus field trips may be required.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Identify ecosystem protection and policies as they relate to environmental and health effects on various species as well as on individuals, cultures, and society.
- Identify and assess natural communities and watersheds in the California Floristic Province and demonstrate an understanding of the social and environmental parameters that affect these natural communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

E S 80Z
California Field Studies

4.0 Units

Field observation of California's native plants and animals in aquatic and terrestrial ecosystems, with an emphasis on endangered, rare, protected and reintroduced species. The underlying social, environmental protection, environmental justice, economic, and political issues associated with habitat and species loss will be discussed, as well as impacts on various cultural, ethnic and socio-economic groups.
(Off-campus field trips may be required.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Identify ecosystem protection and policies as they relate to environmental and health effects on various species as well as on individuals, cultures, and society.
- Identify and assess natural communities and watersheds in the California Floristic Province and demonstrate an understanding of the social and environmental parameters that affect these natural communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

E S 81
Leadership in Energy and Environmental Design/Sustainability Codes

2.0 Units

An introductory course designed for students and employees seeking to learn more about green building and how it can benefit their company. Topics covered will include the triple bottom line of sustainability, current market trends in green building, the Building Energy Code

(Title 24, section 6), Appliance Code (Title 20), and the Green Building Code (Title 24, section 11). Includes modules on simulation tools that can be used for code compliance, analysis of the potential impact for specific EE and DR measures, verification of energy savings efforts, and the process of greening existing energy portfolios.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Describe the components of the Building Energy Efficiency Standards (Title 24, Section 6), the Appliance Code (Title 20), and the Green Building Code (Title 24, Part 11), and the building simulation requirements of each.
- Create a building model using a BEMS such as eQUEST, and employ that model to measure and evaluate various energy efficiency and demand response measures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

E S 82
Project Management and Technical Report Writing for Energy Professionals

2.0 Units

Addresses the key project management components required in leading and coordinating energy efficiency programs in cross functional organizations. Explores project communication strategies, writing compelling and accurate technical reports for commercial and residential building energy audits targeted at nontechnical audiences and company/organization decision makers. Includes project coordination, report writing, spreadsheets, formats, templates, proposal writing, inserting graphics and charts and the financial analysis of energy efficiency proposals for commercial and residential buildings.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Assess the purpose of the energy project leadership, audit report, scope of work, and level of detail required for the report.
- Formulate prioritized recommendations that evaluate energy efficiency measure (EEM) recommendations in terms of energy savings and financial costs/ benefits to the client.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

E S 83
Energy Management Return on Investment

2.0 Units

An overview of utility rate types and charges and exploration of building energy benchmarking tools such as Energy Star Portfolio Manager and LBNL's Energy IQ. Methods for estimating costs, and calculating the financial benefits of recommended energy efficiency and renewable energy projects and determining the return on investment and cost benefits of energy efficiency changes in commercial and residential buildings will be analyzed.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Use benchmarking tools to compare the Energy Use Intensity of buildings of similar type and climate, and illustrate typical energy use patterns of specific facility types.
- Determine the cost of various energy efficiency measures, and calculate the value of them using various metrics.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

E S 84
Residential Solar Design and Installation

1.0 Units

Analysis of the key factors in designing and installing a residential solar system. Residential solar installation trends, emerging technologies and strategies, how to size the system, evaluation of modules and inverters, shading analysis, rebates and tax incentives, economic payback, buy vs. lease options, performance monitoring and how to install a complete residential solar systems will be covered. Students will spend three hours to become OSHA 10 solar safety certified to install residential solar energy systems.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Analyze buy vs lease solar options and understand incentives and tax breaks.
- Explore OSHA 10 safety regulations and use of tools needed to install residential solar systems safely.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0

Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

E S 85A

California Native Plants and Animals

2.0 Units

Environmental education and interpretative methods focusing on the native plants and animals of California with an emphasis on local case studies and endangered species. Interpretive techniques utilized in environmental education will be reviewed. Prepares students to lead tours of the Cheeseman Environmental Study Area (ESA), outdoor lab. Teaching environmental education and interpretive techniques to various ethnic, cultural and socioeconomic groups will be explored.

(Field project required.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate ability to identify California native plants and animals for 3 of the 12 California plant communities in the Cheeseman Environmental Studies Area.
- Illustrate ability to lead a group tour in the Cheeseman Environmental Studies Area with adequate identification of plants, animals, biotic and abiotic components of of the California plant communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

E S 85B

Environmental Education Interpretive Training

2.0 Units

Interpretative techniques of environmental education and environmental outreach utilizing the Cheeseman Environmental Study Area, the Kirsch Center, De Anza College campus and open space sites, parks and refuges in Santa Clara County. Students will refine the techniques required for leading tours and interpreting California native plant and animal communities in the Santa Clara County outdoor settings. Students will conduct 2-4 lead tours at the Cheeseman Environmental Studies Area or at local elementary schools. Strategies for teaching environmental education and nature-based learning with various cultural, ethnic and socio-economic groups will also be explored.

(Off-campus field trips are required for this course.)

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Research the food webs, California flora and fauna of the 12 California plant communities in the Cheeseman Environmental Studies Area.
- Explain differences in the plant communities within the Cheeseman Environmental Study Area revealing an understanding plant adaptation to varying climates and habitats in California.
- Demonstrate an understanding of native plant restoration of a selected ESA plant community through research and hands on experience of restorations practices including: weeding, mulching, soil tests, signage, planting and pruning.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	36.0	**Laboratory**	0.0
Total	48.0	**Total**	24.0

E S 95

Introduction to Environmental Careers

1.0 Units

Learn about saving the planet through environmental careers, including ecosystem management, restoration ecology, corridors ecology, environmental justice, energy management technology, environmental stewardship, environmental education, watershed management, environmental law, pollution prevention and more. Opportunities for internships and employment in business, industry, public agencies, academia and nonprofit agencies will be explored. Students will prepare an academic plan for their two- or four-year degree, certificate or workplace.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Compare, contrast, and identify the various transfer colleges and universities as well as the multitude of career options in environmental studies and sciences, especially as they relate to our three degree/certificate areas.
- Demonstrate the ability to communicate the relationship between values, skills, environmental education, and environmental careers in order to play a role in furthering a sustainable society.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

ECON 1

Principles of Macroeconomics

4.0 Units

An introduction to macroeconomics focusing on aggregate economic analysis. Topics covered will include market systems, aggregate measures of economic activity including national income accounting, macroeconomic equilibrium, money and the banking system, money and the price level, classical macro theory, Keynesian macro theory, monetary and fiscal policy,international trade and economic growth.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 212 or equivalent

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
MATH 114 or equivalent

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Demonstrate how choices are made in the real world given limited resources.
- Demonstrate a basic understanding of the workings of the US Economy and its institutions in a Global Context.
- Critique existing economic theories about Business Cycles in light of historical and current economic perspectives.
- Evaluate fiscal and monetary policy responses to macroeconomic instabilities such as unemployment, inflation and economic growth.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ECON 1H
Principles of Macroeconomics - HONORS

4.0 Units

An introduction to macroeconomics focusing on aggregate economic analysis. Topics covered will include market systems, aggregate measures of economic activity including national income accounting, macroeconomic equilibrium, money and the banking system, money and the price level, classical macro theory, Keynesian macro theory, monetary and fiscal policy,international trade and economic growth.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 212 or equivalent

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
MATH 114 or equivalent

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Demonstrate how choices are made in the real world given limited resources.
- Demonstrate a basic understanding of the workings of the US Economy and its institutions in a Global Context.
- Critique existing economic theories about Business Cycles in light of historical and current economic perspectives.
- Evaluate fiscal and monetary policy responses to macroeconomic instabilities such as unemployment, inflation and economic growth.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ECON 2
Principles of Microeconomics

4.0 Units

An introductory course focusing on choices of individual economic decision-makers. Examines fundamental microeconomic issues; the allocation of resources and the production function, pricing of output and factors of production; the distribution of wealth and income; consumer motivations and behavior; the nature and behavior of business firms and markets under various degrees of competition and market failure.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 212 or equivalent

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
MATH 114 or equivalent

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Evaluate whether market efficiency exists using the supply and demand model.
- Demonstrate the knowledge about the way perfectly competitive markets work and what happens in the presence of imperfect market structures, including monopoly, monopolistic competition and oligopoly.
- Identify instances of market failure including externalities such as pollution and evaluate alternative strategies to improve outcomes, including private solutions.
- Apply the tools of Economic Analysis including opportunity cost and thinking at the margin to understand firms' as well as consumers' decision-making process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ECON 2H
Principles of Microeconomics - HONORS

4.0 Units

An introductory course focusing on choices of individual economic decision-makers. Examines fundamental microeconomic issues; the allocation of resources and the production function, pricing of output and factors of production; the distribution of wealth and income; consumer motivations and behavior; the nature and behavior of business firms and markets under various degrees of competition and market failure.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability

Transferable to both UC and CSU

Prerequisite(s)
MATH 212 or equivalent

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
MATH 114 or equivalent

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Evaluate whether market efficiency exists using the supply and demand model.
- Demonstrate the knowledge about the way perfectly competitive markets work and what happens in the presence of imperfect market structures, including monopoly, monopolistic competition and oligopoly.
- Identify instances of market failure including externalities such as pollution and evaluate alternative strategies to improve outcomes, including private solutions.
- Apply the tools of Economic Analysis including opportunity cost and thinking at the margin to understand firms' as well as consumers' decision-making process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ECON 3
Environmental Economics

4.0 Units

This is an introduction to the basic principles of economics and their application to problems of environmental quality and natural resource utilization. Topics will include market failures, sustainable resource allocation, environmental degradation, pollution, and a rationale of government involvement in the market-based economy. Emphasis will be given to sustainability and the importance of including the environmental impact into the cost-benefit analysis of economic activities.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
- EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL D005.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Demonstrate an understanding of environmental responsibility and natural resource scarcity and its role within economic science and economic growth.
- Identify the interdependent relationship between the economy and the environment, and the long-term thinking necessary to grow the world economy while protecting environmental resources.
- Evaluate the marginal benefits and marginal costs of environmental clean-up and contrast the optimal solution of the free market versus competing views of valuing the environment.
- Evaluate outcomes and government policy responses in markets with negative externalities, and their effectiveness in the U.S. and the international community.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ECON 3H
Environmental Economics - HONORS

4.0 Units

This is an introduction to the basic principles of economics and their application to problems of environmental quality and natural resource utilization. Topics will include market failures, sustainable resource allocation, environmental degradation, pollution, and a rationale of government involvement in the market-based economy. Emphasis will be given to sustainability and the importance of including the environmental impact into the cost-benefit analysis of economic activities. Because this is an honors course students will be expected to complete extra assignments to gain deeper insight into environmental economics.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
- EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL D005.
- MATH 212 or equivalent.

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Demonstrate an understanding of environmental responsibility and natural resource scarcity and its role within economic science and economic growth.
- Identify the interdependent relationship between the economy and the environment, and the long-term thinking necessary to grow the world economy while protecting environmental resources.
- Evaluate the marginal benefits and marginal costs of environmental clean-up and contrast the optimal solution of the free market versus competing views of valuing the environment.
- Evaluate outcomes and government policy responses in markets with negative externalities, and their effectiveness in the U.S. and the international community.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ECON 4
Economics of Public Issues

4.0 Units

An introduction to the economics of various public policy issues. Contemporary issues and the role of government will be evaluated and analyzed by the student. Topics to be discussed include the minimum wage, rent control, drug prohibition, health care, Social Security, international trade, organ markets, impact of sports stadiums, discrimination and freedom of

association, education, fiscal and monetary policy, property rights and the environment, and antitrust policy.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Evaluate the effects and unintended consequences of individual choice and government intervention in the economy.
- Analyze various economic and public policies.
- Compare and contrast various macroeconomic schools of thought.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ECON 5
Behavioral Economics

4.0 Units

An introduction to the basic principles of conventional economics focusing on purely rational decision making contrasted to the more realistic behavioral economic model based on scientific studies of actual outcomes. Topics covered include the structure of the brain, loss-avoidance, emotions, experiences, social norms, framing, endowment effect, fairness, ethics, morals, trust, satisficing, status, herding, anchors, animal spirits, irrational exuberance, why smart people make investment mistakes, blurring social and financial arrangements, value of nudging people to make superior decisions, charitable donations, and happiness (money isn't everything).

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ECON D078I.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
ECON 1, D001H, D002. or D002H

Student Learning Outcomes
- Demonstrate an understanding of conventional economics based on purely rational, utility-maximizing decision making by 'Homo Economicus'.
- Clearly understand and discuss how the multiple elements of behavioral economics explain various human decisions.
- Compare and contrast behavioral outcomes using psychological, sociological, neurological and institutional factors as well as conventional utility-maximizing behavior.
- Evaluate and explain the desirability of various outcomes. Make recommendations for ethical ways to nudge people towards superior decisions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

EDAC 1
Introduction to College and Accommodations

1.5 Units

Orientation to college for the first time college student. Includes De Anza academic policies, resources, campus programs and services; transition concerns from high school to post-secondary for students requiring special classroom accommodations related to disabilities; California system of higher education; educational goals and program planning. This course satisfies the college orientation requirement for new students.

Course Information

Transferability
Transferable to both UC and CSU

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Explain the differences between disability access laws in secondary and post-secondary education.
- Articulate their legal rights to educational accommodations, self-advocate, and appropriately utilize De Anza College disability resources.
- Demonstrate knowledge of De Anza policies, programs, resources, and services.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.5	3.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	18.0	**Lecture**	36.0
Laboratory	0.0	**Laboratory**	0.0
Total	18.0	**Total**	36.0

EDAC 20
Universal Design and Accessibility

4.0 Units

Introduction to Universal Design concept and media accessibility principles applicable across multidisciplinary areas such as instructional design, information architecture, engineering and technology, media communications, urban design, and transit systems. Benefits of inclusive design by considering the full range of human diversity: physical, cognitive, sensory, cultural and social, and the advantages of incorporating accessibility into the planning and design phase of products, services, and consumer experiences will be examined.Students will examine legal guidelines and accessible media content design strategies for various media (digital documents, videos, audio, websites), and will identify tools and techniques to extend usability for all users.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly EDAC D054.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EDAC 245

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Examine inclusive principles of Universal Design (UD), and applications across varied disciplines such as architecture and urban design, education, engineering, multimedia, technology, and transportation.
- Identify common media accessibility barriers experienced by users with sensory impairments.
- Analyze and restructure digital documents to improve accessibility.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

EDAC 230
Vocational Interests and Aptitudes

1.0 Units

This course is specifically designed for students with verified intellectual disabilities. It includes exploration of vocational interests, aptitudes, career choices and life goals. It also includes the development of essential work related attitudes, behaviors, interpersonal skills, work skills and addresses personal responsibility through individualized instruction and training to meet the skill level identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D230., D230R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and develop areas of vocational interest.
- The student will identify and develop aptitudes that can enhance work skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

EDAC 230R
Vocational Interests and Aptitudes

2.0 Units

This course is specifically designed for students with verified intellectual disabilities. It includes exploration of vocational interests, aptitudes, career choices and life goals. It also includes the development of essential work related attitudes, behaviors, interpersonal skills, work skills and addresses personal responsibility through individualized instruction and training to meet the skill level identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D230., D230R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and develop areas of vocational interest.
- The student will identify and develop aptitudes that can enhance work skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

EDAC 230S
Vocational Interests and Aptitudes

3.0 Units

This course is specifically designed for students with verified intellectual disabilities. It includes exploration of vocational interests, aptitudes, career choices and life goals. It also includes the development of essential work related attitudes, behaviors, interpersonal skills, work skills and addresses personal responsibility through individualized instruction and training to meet the skill level identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D230., D230R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and develop areas of vocational interest.
- The student will identify and develop aptitudes that can enhance work skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

EDAC 230T

Vocational Interests and Aptitudes

4.0 Units

This course is specifically designed for students with verified intellectual disabilities. It includes exploration of vocational interests, aptitudes, career choices and life goals. It also includes the development of essential work related attitudes, behaviors, interpersonal skills, work skills and addresses personal responsibility through individualized instruction and training to meet the skill level identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D230., D230R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- The student will identify and develop areas of vocational interest.
- The student will identify and develop aptitudes that can enhance work skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

EDAC 230U

Vocational Interests and Aptitudes

5.0 Units

This course is specifically designed for students with verified intellectual disabilities. It includes exploration of vocational interests, aptitudes, career choices and life goals. It also includes the development of essential work related attitudes, behaviors, interpersonal skills, work skills and addresses personal responsibility through individualized instruction and training to meet the skill level identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D230., D230R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- The student will identify and develop areas of vocational interest.
- The student will identify and develop aptitudes that can enhance work skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	15.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	180.0	**Laboratory**	0.0
Total	180.0	**Total**	0.0

EDAC 230V

Vocational Interests and Aptitudes

6.0 Units

This course is specifically designed for students with verified intellectual disabilities. It includes exploration of vocational interests, aptitudes, career choices and life goals. It also includes the development of essential work related attitudes, behaviors, interpersonal skills, work skills and addresses personal responsibility through individualized instruction and training to meet the skill level identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D230., D230R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- The student will identify and develop areas of vocational interest.
- The student will identify and develop aptitudes that can enhance work skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	18.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	216.0	**Laboratory**	0.0
Total	216.0	**Total**	0.0

EDAC 230W

Vocational Interests and Aptitudes

7.0 Units

This course is specifically designed for students with verified intellectual disabilities. It includes exploration of vocational interests, aptitudes, career choices and life goals. It also includes the development of essential work related attitudes, behaviors, interpersonal skills, work skills and addresses personal responsibility through individualized instruction and training to meet the skill level identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D230., D230R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- The student will identify and develop areas of vocational interest.
- The student will identify and develop aptitudes that can enhance work skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	21.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours

Course Out-of-Class Hours

Lecture	0.0	**Lecture**	0.0
Laboratory	252.0	**Laboratory**	0.0
Total	252.0	**Total**	0.0

EDAC 230X

Vocational Interests and Aptitudes

8.0 Units

This course is specifically designed for students with verified intellectual disabilities. It includes exploration of vocational interests, aptitudes, career choices and life goals. It also includes the development of essential work related attitudes, behaviors, interpersonal skills, work skills and addresses personal responsibility through individualized instruction and training to meet the skill level identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D230., D230R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and develop areas of vocational interest.
- The student will identify and develop aptitudes that can enhance work skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	24.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	288.0	**Laboratory**	0.0
Total	288.0	**Total**	0.0

EDAC 230Y

Vocational Interests and Aptitudes

9.0 Units

This course is specifically designed for students with verified intellectual disabilities. It includes exploration of vocational interests, aptitudes, career choices and life goals. It also includes the development of essential work related attitudes, behaviors, interpersonal skills, work skills and addresses personal responsibility through individualized instruction and training to meet the skill level identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D230., D230R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and develop areas of vocational interest.
- The student will identify and develop aptitudes that can enhance work skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	27.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	324.0	**Laboratory**	0.0
Total	324.0	**Total**	0.0

EDAC 230Z

Vocational Interests and Aptitudes

10.0 Units

This course is specifically designed for students with verified intellectual disabilities. It includes exploration of vocational interests, aptitudes, career choices and life goals. It also includes the development of essential work related attitudes, behaviors, interpersonal skills, work skills and addresses personal responsibility through individualized instruction and training to meet the skill level identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D230., D230R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and develop areas of vocational interest.
- The student will identify and develop aptitudes that can enhance work skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	30.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	360.0	**Laboratory**	0.0
Total	360.0	**Total**	0.0

EDAC 231

Workforce Skills

1.0 Units

Specifically designed for students with verified intellectual disabilities. It includes the development of workforce skills in support of entry-level employment and the goals identified in the Student Educational Contract. This course also addresses the core competency of personal responsibility.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D231., D231R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and demonstrate proficiency in 1 or more workplace skills related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

EDAC 231R
Workforce Skills

2.0 Units

Specifically designed for students with verified intellectual disabilities. It includes the development of workforce skills in support of entry-level employment and the goals identified in the Student Educational Contract. This course also addresses the core competency of personal responsibility.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D231., D231R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and demonstrate proficiency in 1 or more workplace skills related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

EDAC 231S
Workforce Skills

3.0 Units

Specifically designed for students with verified intellectual disabilities. It includes the development of workforce skills in support of entry-level employment and the goals identified in the Student Educational Contract. This course also addresses the core competency of personal responsibility.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D231., D231R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and demonstrate proficiency in 1 or more workplace skills related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

EDAC 231T
Workforce Skills

4.0 Units

Specifically designed for students with verified intellectual disabilities. It includes the development of workforce skills in support of entry-level employment and the goals identified in the Student Educational Contract. This course also addresses the core competency of personal responsibility.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D231., D231R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and demonstrate proficiency in 1 or more workplace skills related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

EDAC 231U
Workforce Skills

5.0 Units

Specifically designed for students with verified intellectual disabilities. It includes the development of workforce skills in support of entry-level employment and the goals identified in the Student Educational Contract. This course also addresses the core competency of personal responsibility.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D231., D231R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and demonstrate proficiency in 1 or more workplace skills related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	15.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	180.0	**Laboratory**	0.0
Total	180.0	**Total**	0.0

EDAC 231V
Workforce Skills

6.0 Units

Specifically designed for students with verified intellectual disabilities. It includes the development of workforce skills in support of entry-level employment and the goals identified in the Student Educational Contract. This course also addresses the core competency of personal responsibility.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D231., D231R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and demonstrate proficiency in 1 or more workplace skills related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	18.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	216.0	**Laboratory**	0.0
Total	216.0	**Total**	0.0

EDAC 231W
Workforce Skills

7.0 Units

Specifically designed for students with verified intellectual disabilities. It includes the development of workforce skills in support of entry-level employment and the goals identified in the Student Educational Contract. This course also addresses the core competency of personal responsibility.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D231., D231R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and demonstrate proficiency in 1 or more workplace skills related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	21.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	252.0	**Laboratory**	0.0
Total	252.0	**Total**	0.0

EDAC 231X
Workforce Skills

2.5 Units

Specifically designed for students with verified intellectual disabilities. It includes the development of workforce skills in support of entry-level employment and the goals identified in the Student Educational Contract. This course also addresses the core competency of personal responsibility.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D231., D231R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and demonstrate proficiency in 1 or more workplace skills related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	8.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	96.0	**Laboratory**	0.0
Total	96.0	**Total**	0.0

EDAC 231Y
Workforce Skills

9.0 Units

Specifically designed for students with verified intellectual disabilities. It includes the development of workforce skills in support of entry-level employment and the goals identified in the Student Educational Contract. This course also addresses the core competency of personal responsibility.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D231., D231R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and demonstrate proficiency in 1 or more workplace skills related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	27.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	324.0	**Laboratory**	0.0
Total	324.0	**Total**	0.0

EDAC 231Z

Workforce Skills

10.0 Units

Specifically designed for students with verified intellectual disabilities. It includes the development of workforce skills in support of entry-level employment and the goals identified in the Student Educational Contract. This course also addresses the core competency of personal responsibility.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D231., D231R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- The student will identify and demonstrate proficiency in 1 or more workplace skills related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	30.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	360.0	**Laboratory**	0.0
Total	360.0	**Total**	0.0

EDAC 232

Workplace Culture

1.0 Units

Specifically designed for students with verified intellectual disabilities. It includes identification of the different aspects of workplace culture including employer expectations, professional conduct and attitudes necessary to be successful on a job. Core competency of physical/mental wellness and personal responsibility will be addressed. Individualized instruction and training used to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D232., D232R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- The student will identify and discuss 1 or more aspects of workplace culture related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

EDAC 232R

Workplace Culture

2.0 Units

Specifically designed for students with verified intellectual disabilities. It includes identification of the different aspects of workplace culture including employer expectations, professional conduct and attitudes necessary to be successful on a job. Core competency of physical/mental wellness and personal responsibility will be addressed. Individualized instruction and training used to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D232., D232R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- The student will identify and discuss 1 or more aspects of workplace culture related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

EDAC 232S

Workplace Culture

3.0 Units

Specifically designed for students with verified intellectual disabilities. It includes identification of the different aspects of workplace culture including employer expectations, professional conduct and attitudes necessary to be successful on a job. Core competency of physical/mental wellness and personal responsibility will be addressed. Individualized instruction and training used to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement

(Formerly SPED D232., D232R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and discuss 1 or more aspects of workplace culture related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

EDAC 232T
Workplace Culture

4.0 Units

Specifically designed for students with verified intellectual disabilities. It includes identification of the different aspects of workplace culture including employer expectations, professional conduct and attitudes necessary to be successful on a job. Core competency of physical/mental wellness and personal responsibility will be addressed. Individualized instruction and training used to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D232., D232R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and discuss 1 or more aspects of workplace culture related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

EDAC 232U
Workplace Culture

5.0 Units

Specifically designed for students with verified intellectual disabilities. It includes identification of the different aspects of workplace culture including employer expectations, professional conduct and attitudes necessary to be successful on a job. Core competency of physical/mental wellness and personal responsibility will be addressed. Individualized instruction and training used to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D232., D232R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and discuss 1 or more aspects of workplace culture related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	15.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	180.0	**Laboratory**	0.0
Total	180.0	**Total**	0.0

EDAC 232V
Workplace Culture

6.0 Units

Specifically designed for students with verified intellectual disabilities. It includes identification of the different aspects of workplace culture including employer expectations, professional conduct and attitudes necessary to be successful on a job. Core competency of physical/mental wellness and personal responsibility will be addressed. Individualized instruction and training used to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D232., D232R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and discuss 1 or more aspects of workplace culture related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	18.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	216.0	**Laboratory**	0.0
Total	216.0	**Total**	0.0

EDAC 232W
Workplace Culture

7.0 Units

Specifically designed for students with verified intellectual disabilities. It includes identification of the different aspects of workplace culture including employer expectations, professional conduct and attitudes necessary to be successful on a job. Core competency of

physical/mental wellness and personal responsibility will be addressed. Individualized instruction and training used to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D232., D232R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and discuss 1 or more aspects of workplace culture related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	21.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	252.0	**Laboratory**	0.0
Total	252.0	**Total**	0.0

EDAC 232X
Workplace Culture

8.0 Units

Specifically designed for students with verified intellectual disabilities. It includes identification of the different aspects of workplace culture including employer expectations, professional conduct and attitudes necessary to be successful on a job. Core competency of physical/mental wellness and personal responsibility will be addressed. Individualized instruction and training used to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D232., D232R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and discuss 1 or more aspects of workplace culture related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	24.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	288.0	**Laboratory**	0.0
Total	288.0	**Total**	0.0

EDAC 232Y
Workplace Culture

9.0 Units

Specifically designed for students with verified intellectual disabilities. It includes identification of the different aspects of workplace culture including employer expectations, professional conduct and attitudes necessary to be successful on a job. Core competency of physical/mental wellness and personal responsibility will be addressed. Individualized instruction and training used to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D232., D232R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and discuss 1 or more aspects of workplace culture related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	27.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	324.0	**Laboratory**	0.0
Total	324.0	**Total**	0.0

EDAC 232Z
Workplace Culture

10.0 Units

Specifically designed for students with verified intellectual disabilities. It includes identification of the different aspects of workplace culture including employer expectations, professional conduct and attitudes necessary to be successful on a job. Core competency of physical/mental wellness and personal responsibility will be addressed. Individualized instruction and training used to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D232., D232R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and discuss 1 or more aspects of workplace culture related to career goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	30.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	360.0	**Laboratory**	0.0
Total	360.0	**Total**	0.0

EDAC 233

Professional Conduct

1.0 Units

Specifically designed for students with verified intellectual disabilities. Students will develop an understanding of professional conduct necessary for success in varied employment settings. Students will learn how to communicate clearly and professionally in the context of a work environment and demonstrate individual and collaborative work habits with a respect for social and cultural diversity. Students will develop an understanding of and comparison of professional conduct and behavior in various work environments through individualized instruction and training to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D233., D233R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- The student will identify and demonstrate two or more professional behaviors necessary to the workplace.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

EDAC 233R

Professional Conduct

2.0 Units

Specifically designed for students with verified intellectual disabilities. Students will develop an understanding of professional conduct necessary for success in varied employment settings. Students will learn how to communicate clearly and professionally in the context of a work environment and demonstrate individual and collaborative work habits with a respect for social and cultural diversity. Students will develop an understanding of and comparison of professional conduct and behavior in various work environments through individualized instruction and training to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D233., D233R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- The student will identify and demonstrate two or more professional behaviors necessary to the workplace.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

EDAC 233S

Professional Conduct

3.0 Units

Specifically designed for students with verified intellectual disabilities. Students will develop an understanding of professional conduct necessary for success in varied employment settings. Students will learn how to communicate clearly and professionally in the context of a work environment and demonstrate individual and collaborative work habits with a respect for social and cultural diversity. Students will develop an understanding of and comparison of professional conduct and behavior in various work environments through individualized instruction and training to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D233., D233R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- The student will identify and demonstrate two or more professional behaviors necessary to the workplace.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

EDAC 233T

Professional Conduct

4.0 Units

Specifically designed for students with verified intellectual disabilities. Students will develop an understanding of professional conduct necessary for success in varied employment settings. Students will learn how to communicate clearly and professionally in the context of a work environment and demonstrate individual and collaborative work habits with a respect for social and cultural diversity. Students will develop an understanding of and comparison of professional conduct and behavior in various work environments through individualized instruction and training to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D233., D233R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- The student will identify and demonstrate two or more professional behaviors necessary to the workplace.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

EDAC 233U
Professional Conduct

5.0 Units

Specifically designed for students with verified intellectual disabilities. Students will develop an understanding of professional conduct necessary for success in varied employment settings. Students will learn how to communicate clearly and professionally in the context of a work environment and demonstrate individual and collaborative work habits with a respect for social and cultural diversity. Students will develop an understanding of and comparison of professional conduct and behavior in various work environments through individualized instruction and training to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D233., D233R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and demonstrate two or more professional behaviors necessary to the workplace.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	15.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	180.0	**Laboratory**	0.0
Total	180.0	**Total**	0.0

EDAC 233V
Professional Conduct

6.0 Units

Specifically designed for students with verified intellectual disabilities. Students will develop an understanding of professional conduct necessary for success in varied employment settings. Students will learn how to communicate clearly and professionally in the context of a work environment and demonstrate individual and collaborative work habits with a respect for social and cultural diversity. Students will develop an understanding of and comparison of professional conduct and behavior in various work environments through individualized instruction and training to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D233., D233R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and demonstrate two or more professional behaviors necessary to the workplace.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	18.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	216.0	**Laboratory**	0.0
Total	216.0	**Total**	0.0

EDAC 233W
Professional Conduct

7.0 Units

Specifically designed for students with verified intellectual disabilities. Students will develop an understanding of professional conduct necessary for success in varied employment settings. Students will learn how to communicate clearly and professionally in the context of a work environment and demonstrate individual and collaborative work habits with a respect for social and cultural diversity. Students will develop an understanding of and comparison of professional conduct and behavior in various work environments through individualized instruction and training to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D233., D233R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and demonstrate two or more professional behaviors necessary to the workplace.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	21.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	252.0	**Laboratory**	0.0
Total	252.0	**Total**	0.0

EDAC 233X
Professional Conduct

8.0 Units

Specifically designed for students with verified intellectual disabilities. Students will develop an understanding of professional conduct necessary for success in varied employment settings. Students will learn how to communicate clearly and professionally in the context of a work environment and demonstrate individual and collaborative work habits with a respect for social and cultural diversity. Students will develop an understanding of and comparison of professional conduct and behavior in various work environments through individualized instruction and training to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D233., D233R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and demonstrate two or more professional behaviors necessary to the workplace.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	24.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	288.0	**Laboratory**	0.0
Total	288.0	**Total**	0.0

EDAC 233Y
Professional Conduct

9.0 Units

Specifically designed for students with verified intellectual disabilities. Students will develop an understanding of professional conduct necessary for success in varied employment settings. Students will learn how to communicate clearly and professionally in the context of a work environment and demonstrate individual and collaborative work habits with a respect for social and cultural diversity. Students will develop an understanding of and comparison of professional conduct and behavior in various work environments through individualized instruction and training to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D233., D233R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and demonstrate two or more professional behaviors necessary to the workplace.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	27.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	324.0	**Laboratory**	0.0
Total	324.0	**Total**	0.0

EDAC 233Z
Professional Conduct

10.0 Units

Specifically designed for students with verified intellectual disabilities. Students will develop an understanding of professional conduct necessary for success in varied employment settings. Students will learn how to communicate clearly and professionally in the context of a work environment and demonstrate individual and collaborative work habits with a respect for social and cultural diversity. Students will develop an understanding of and comparison of professional conduct and behavior in various work environments through individualized instruction and training to meet the goals identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D233., D233R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify and demonstrate two or more professional behaviors necessary to the workplace.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	30.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	360.0	**Laboratory**	0.0
Total	360.0	**Total**	0.0

EDAC 234
Civic Responsibility

1.0 Units

Specifically designed for students with verified intellectual disabilities and focuses on the exploration of legal, social and environmental issues from the perspective of adults with disabilities. Students will explore legal, social, and environmental issues: where and how to access information and participate in the community through advocacy, volunteerism, and work. Students will receive individualized instruction and training to meet the skill level identified in the Student Educational Contract. This course represents the core competencies of information literacy, and social and environmental awareness.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D234., D234R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify one or more community resources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

EDAC 234R

Civic Responsibility

2.0 Units

Specifically designed for students with verified intellectual disabilities and focuses on the exploration of legal, social and environmental issues from the perspective of adults with disabilities. Students will explore legal, social, and environmental issues: where and how to access information and participate in the community through advocacy, volunteerism, and work. Students will receive individualized instruction and training to meet the skill level identified in the Student Educational Contract. This course represents the core competencies of information literacy, and social and environmental awareness.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D234., D234R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify one or more community resources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

EDAC 234S

Civic Responsibility

3.0 Units

Specifically designed for students with verified intellectual disabilities and focuses on the exploration of legal, social and environmental issues from the perspective of adults with disabilities. Students will explore legal, social, and environmental issues: where and how to access information and participate in the community through advocacy, volunteerism, and work. Students will receive individualized instruction and training to meet the skill level identified in the Student Educational Contract. This course represents the core competencies of information literacy, and social and environmental awareness.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D234., D234R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify one or more community resources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

EDAC 234T

Civic Responsibility

4.0 Units

Specifically designed for students with verified intellectual disabilities and focuses on the exploration of legal, social and environmental issues from the perspective of adults with disabilities. Students will explore legal, social, and environmental issues: where and how to access information and participate in the community through advocacy, volunteerism, and work. Students will receive individualized instruction and training to meet the skill level identified in the Student Educational Contract. This course represents the core competencies of information literacy, and social and environmental awareness.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D234., D234R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify one or more community resources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

EDAC 234U

Civic Responsibility

5.0 Units

Specifically designed for students with verified intellectual disabilities and focuses on the exploration of legal, social and environmental issues from the perspective of adults with disabilities. Students will explore legal, social, and environmental issues: where and how to access information and participate in the community through advocacy, volunteerism, and work. Students will receive individualized instruction and training to meet the skill level identified in the Student Educational Contract. This course represents the core competencies of information literacy, and social and environmental awareness.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D234., D234R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify one or more community resources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	15.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	180.0	**Laboratory**	0.0
Total	180.0	**Total**	0.0

EDAC 234V
Civic Responsibility

6.0 Units

Specifically designed for students with verified intellectual disabilities and focuses on the exploration of legal, social and environmental issues from the perspective of adults with disabilities. Students will explore legal, social, and environmental issues: where and how to access information and participate in the community through advocacy, volunteerism, and work. Students will receive individualized instruction and training to meet the skill level identified in the Student Educational Contract. This course represents the core competencies of information literacy, and social and environmental awareness.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D234., D234R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify one or more community resources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	18.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	216.0	**Laboratory**	0.0
Total	216.0	**Total**	0.0

EDAC 234W
Civic Responsibility

7.0 Units

Specifically designed for students with verified intellectual disabilities and focuses on the exploration of legal, social and environmental issues from the perspective of adults with disabilities. Students will explore legal, social, and environmental issues: where and how to access information and participate in the community through advocacy, volunteerism, and work. Students will receive individualized instruction and training to meet the skill level identified in the Student Educational Contract. This course represents the core competencies of information literacy, and social and environmental awareness.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D234., D234R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify one or more community resources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	21.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	252.0	**Laboratory**	0.0
Total	252.0	**Total**	0.0

EDAC 234X
Civic Responsibility

8.0 Units

Specifically designed for students with verified intellectual disabilities and focuses on the exploration of legal, social and environmental issues from the perspective of adults with disabilities. Students will explore legal, social, and environmental issues: where and how to access information and participate in the community through advocacy, volunteerism, and work. Students will receive individualized instruction and training to meet the skill level identified in the Student Educational Contract. This course represents the core competencies of information literacy, and social and environmental awareness.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D234., D234R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify one or more community resources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	24.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	288.0	**Laboratory**	0.0
Total	288.0	**Total**	0.0

EDAC 234Y
Civic Responsibility

9.0 Units

Specifically designed for students with verified intellectual disabilities and focuses on the exploration of legal, social and environmental issues from the perspective of adults with disabilities. Students will explore legal, social, and environmental issues: where and how to access information and participate in the community through advocacy, volunteerism, and work. Students will receive individualized instruction and training to meet the skill level identified in the Student Educational Contract. This course represents the core competencies of information literacy, and social and environmental awareness.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D234., D234R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- The student will identify one or more community resources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	27.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	324.0	**Laboratory**	0.0
Total	324.0	**Total**	0.0

EDAC 234Z
Civic Responsibility

10.0 Units

Specifically designed for students with verified intellectual disabilities and focuses on the exploration of legal, social and environmental issues from the perspective of adults with disabilities. Students will explore legal, social, and environmental issues: where and how to access information and participate in the community through advocacy, volunteerism, and work. Students will receive individualized instruction and training to meet the skill level identified in the Student Educational Contract. This course represents the core competencies of information literacy, and social and environmental awareness.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D234., D234R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- The student will identify one or more community resources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	30.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	360.0	**Laboratory**	0.0
Total	360.0	**Total**	0.0

EDAC 235
Transition to Campus

1.0 Units

Specifically designed for students with verified intellectual disabilities. This course focuses on campus culture and the expectations and rules for all students on a college campus. Students will learn how to access campus information and services. This course represents the core competencies of personal responsibility with an emphasis upon respect for diversity. Students will explore the steps necessary to meet career choices and life goals and explore the requirements, coursework, and strategies to obtain a certificate or degree. Individualized instruction and training to meet the skills identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D235., D235R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Student will identify the services and resources available for students with disabilities on campus.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

EDAC 235R
Transition to Campus

2.0 Units

Specifically designed for students with verified intellectual disabilities. This course focuses on campus culture and the expectations and rules for all students on a college campus. Students will learn how to access campus information and services. This course represents the core competencies of personal responsibility with an emphasis upon respect for diversity. Students will explore the steps necessary to meet career choices and life goals and explore the requirements, coursework, and strategies to obtain a certificate or degree. Individualized instruction and training to meet the skills identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D235., D235R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Student will identify the services and resources available for students with disabilities on campus.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

EDAC 235S
Transition to Campus

3.0 Units

Specifically designed for students with verified intellectual disabilities. This course focuses on campus culture and the expectations and rules for all students on a college campus. Students will learn how to access campus information and services. This course represents the core competencies of personal responsibility with an emphasis upon respect for diversity. Students will explore the steps necessary to meet career choices and life goals and explore the

requirements, coursework, and strategies to obtain a certificate or degree. Individualized instruction and training to meet the skills identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D235., D235R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Student will identify the services and resources available for students with disabilities on campus.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

EDAC 235T

Transition to Campus

4.0 Units

Specifically designed for students with verified intellectual disabilities. This course focuses on campus culture and the expectations and rules for all students on a college campus. Students will learn how to access campus information and services. This course represents the core competencies of personal responsibility with an emphasis upon respect for diversity. Students will explore the steps necessary to meet career choices and life goals and explore the requirements, coursework, and strategies to obtain a certificate or degree. Individualized instruction and training to meet the skills identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D235., D235R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Student will identify the services and resources available for students with disabilities on campus.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

EDAC 235U

Transition to Campus

5.0 Units

Specifically designed for students with verified intellectual disabilities. This course focuses on campus culture and the expectations and rules for all students on a college campus. Students will learn how to access campus information and services. This course represents the core competencies of personal responsibility with an emphasis upon respect for diversity. Students will explore the steps necessary to meet career choices and life goals and explore the requirements, coursework, and strategies to obtain a certificate or degree. Individualized instruction and training to meet the skills identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D235., D235R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Student will identify the services and resources available for students with disabilities on campus.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	15.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	180.0	**Laboratory**	0.0
Total	180.0	**Total**	0.0

EDAC 235V

Transition to Campus

6.0 Units

Specifically designed for students with verified intellectual disabilities. This course focuses on campus culture and the expectations and rules for all students on a college campus. Students will learn how to access campus information and services. This course represents the core competencies of personal responsibility with an emphasis upon respect for diversity. Students will explore the steps necessary to meet career choices and life goals and explore the requirements, coursework, and strategies to obtain a certificate or degree. Individualized instruction and training to meet the skills identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D235., D235R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Student will identify the services and resources available for students with disabilities on campus.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	18.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours

Course Out-of-Class Hours

Lecture	0.0	**Lecture**	0.0
Laboratory	216.0	**Laboratory**	0.0
Total	216.0	**Total**	0.0

EDAC 235W

Transition to Campus

7.0 Units

Specifically designed for students with verified intellectual disabilities. This course focuses on campus culture and the expectations and rules for all students on a college campus. Students will learn how to access campus information and services. This course represents the core competencies of personal responsibility with an emphasis upon respect for diversity. Students will explore the steps necessary to meet career choices and life goals and explore the requirements, coursework, and strategies to obtain a certificate or degree. Individualized instruction and training to meet the skills identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D235., D235R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- Student will identify the services and resources available for students with disabilities on campus.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	21.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	252.0	**Laboratory**	0.0
Total	252.0	**Total**	0.0

EDAC 235X

Transition to Campus

8.0 Units

Specifically designed for students with verified intellectual disabilities. This course focuses on campus culture and the expectations and rules for all students on a college campus. Students will learn how to access campus information and services. This course represents the core competencies of personal responsibility with an emphasis upon respect for diversity. Students will explore the steps necessary to meet career choices and life goals and explore the requirements, coursework, and strategies to obtain a certificate or degree. Individualized instruction and training to meet the skills identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D235., D235R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- Student will identify the services and resources available for students with disabilities on campus.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	24.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	288.0	**Laboratory**	0.0
Total	288.0	**Total**	0.0

EDAC 235Y

Transition to Campus

9.0 Units

Specifically designed for students with verified intellectual disabilities. This course focuses on campus culture and the expectations and rules for all students on a college campus. Students will learn how to access campus information and services. This course represents the core competencies of personal responsibility with an emphasis upon respect for diversity. Students will explore the steps necessary to meet career choices and life goals and explore the requirements, coursework, and strategies to obtain a certificate or degree. Individualized instruction and training to meet the skills identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D235., D235R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- Student will identify the services and resources available for students with disabilities on campus.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	27.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	324.0	**Laboratory**	0.0
Total	324.0	**Total**	0.0

EDAC 235Z

Transition to Campus

10.0 Units

Specifically designed for students with verified intellectual disabilities. This course focuses on campus culture and the expectations and rules for all students on a college campus. Students will learn how to access campus information and services. This course represents the core competencies of personal responsibility with an emphasis upon respect for diversity. Students will explore the steps necessary to meet career choices and life goals and explore the requirements, coursework, and strategies to obtain a certificate or degree. Individualized instruction and training to meet the skills identified in the Student Educational Contract.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D235., D235R-Z respectively.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- Student will identify the services and resources available for students with disabilities on campus.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	30.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	360.0	**Laboratory**	0.0
Total	360.0	**Total**	0.0

EDAC 240
Assistive Technology Access Evaluation

0.5 Units

This course provides a computer and technology access evaluation for students with physical disabilities, sensory impairments, and/or learning disabilities. Appropriate access requirements will be individually determined in order to enable students to utilize computer technology.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D240.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Identify assistive computer technology tools and configurations suitable for their functional limitations.
- Apply assistive computer technology tools and strategies to compensate for their functional limitations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

EDAC 245
Assistive Technology Access (Windows)

2.0 Units

This course is a development of basic skills in the use of computer access technologies to enhance the ability of students with disabilities to access and use computer technology in the context of word processing and other relevant applications.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D245.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Develop the ability to independently employ assistive computer technology appropriate to their needs in the context of basic computer management, word processing, and Internet browsing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	36.0	**Laboratory**	0.0
Total	48.0	**Total**	24.0

EDAC 290X
Assistive Technology Access Practice

0.5 Units

This course provides students with individualized development skills in the analysis and use of assistive technology in an adapted computer laboratory.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D290X and SPED D290Y respectively.)

Prerequisite(s)
EDAC 240

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Develop skills and strategies with using individually identified assistive computer technology at a level that supports their academic needs.
- Develop a plan for further use of assistive computer technology outside the campus setting.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

EDAC 290Y
Assistive Technology Access Practice

1.0 Units

This course provides students with individualized development skills in the analysis and use of assistive technology in an adapted computer laboratory.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly SPED D290X and SPED D290Y respectively.)

Prerequisite(s)

EDAC 240

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Develop skills and strategies with using individually identified assistive computer technology at a level that supports their academic needs.
- Develop a plan for further use of assistive computer technology outside the campus setting.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

EDUC 1
Introduction to Elementary Education in a Diverse Society

3.0 Units

This course introduces students to the concepts and issues related to teaching diverse learners in today's contemporary schools, Kindergarten through grade 12 (K-12). Topics include teaching as a profession and career, historical and philosophical foundations of the American education system, contemporary educational issues, California's content standards and frameworks, and teacher performance standards. In addition to class time, the course requires 36 hours of structured fieldwork in public school elementary classrooms that represent California's diverse student population and includes cooperation with at least one carefully selected and campus-approved certificated classroom teacher.(This course meets the California Commission on Teacher Credentialing adopted Elementary Subject Matter Standards: Standard 7.)

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate an understanding of Howard Gardner's Multiple Intelligences in the elementary classroom.
- Identify and explain the responsibilities and professional commitments expected of an elementary classroom teacher.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

EDUC 46
Mathematics for Elementary Education

5.0 Units

This course is designed for prospective elementary and middle school teachers. It gives an introduction to the discipline of mathematics as the use of logical, quantitative, and spatial reasoning in the abstraction, modeling, and problem solving of real-world situations. The main topics in the course include the origins of mathematics, mathematical reasoning and problem solving strategies, theory of sets, integers and integral number theory, rational numbers and proportion, real numbers and decimal notation, and measurement. Throughout the course students will experience the learning of mathematics in a way that models how they can create an active learning environment for their future students.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent

Prerequisite(s)
MATH 114 with a grade of C or better, or a qualifying score on Intermediate Algebra Placement Test within the past calendar year

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Analyze mathematical problems from elementary mathematics, apply problem solving techniques using a variety of methods, solve these problems individually and in groups, and communicate results mathematically through a variety of forms.
- Utilize ideas from number theory, distinguish types and properties of numbers, and employ mathematical rules for operating on rational and irrational numbers using verbal, symbolic, geometric, and numerical methods.
- Examine and evaluate myths and realities about the contemporary discipline of mathematics and its practitioners.
- Identify and discuss developments in the history of elementary mathematics from a variety of cultures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ELIT 8
Children's Literature

4.0 Units

This course is a study of the literature of children (pre-elementary through young adult) with an emphasis on poetry, picture books, folk tales, myths, fiction, fantasy, and nonfiction from a variety of cultures, ethnicities, and historical periods. It also includes an evaluation of the literary quality and the cultural and historical meaning of individual works, and the study of the use of children's literature as an educational tool both in the classroom and outside of it.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability

Transferable to both UC and CSU

Formerly Statement
(Formerly ELIT D058.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Apply key methods of interpreting and evaluating literary texts written for children.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 10
Introduction to Fiction

4.0 Units

This is an intensive study of fiction with reading, discussion, and analysis of structure and meaning in selected novels and short stories.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Identify, articulate and evaluate the nature and variety of fictional texts, styles, conventions and techniques.
- Analyze fiction in writing from multiple critical perspectives.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 10H
Introduction to Fiction - HONORS

4.0 Units

This is an intensive study of fiction with reading, discussion, and analysis of structure and meaning in selected novels and short stories. Students in this honors program course will be expected to complete extra assignments to gain deeper insight into fiction.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Identify, articulate and evaluate the nature and variety of fictional texts, styles, conventions and techniques.
- Analyze fiction in writing from multiple critical perspectives.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 11
Introduction to Poetry

4.0 Units

Intensive study of poetry; reading, discussion, and analysis of structure and meaning in selected poems.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Identify, articulate, and evaluate poetic texts in English and in translation ranging from classical to contemporary and employing a variety of styles and techniques.
- Analyze poems in writing from multiple critical and cultural perspectives.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 12
Introduction to Dramatic Literature

4.0 Units

This course is an intensive study of dramatic literature through reading, discussion, and analysis of structure and meaning in selected plays.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Identify, articulate, and evaluate the nature and variety of dramatic texts, styles, and techniques in literature.
- Compose analytical arguments about the interpretation of particular plays and/or cultural effect of the plays.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 17
Introduction to Shakespeare

4.0 Units

This course analyzes representative Shakespearean sonnets, histories, tragedies, and comedies, placed within the literary and social context of the Renaissance as well as the context of contemporary culture.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Demonstrate the ability to analyze social and cultural contexts in the poetic and dramatic literature of William Shakespeare.
- Produce analytical writing based on complex texts.
- Show the ability to examine the use of language in literature.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 17H
Introduction to Shakespeare - HONORS

4.0 Units

This course analyzes representative Shakespearean sonnets, histories, tragedies, and comedies, placed within the literary and social context of the Renaissance as well as the context of contemporary culture. Students in this course will be expected to complete extra assignments to gain deeper insight into English literature.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Demonstrate the ability to analyze social and cultural contexts in the poetic and dramatic literature of William Shakespeare.
- Produce analytical writing based on complex texts.
- Show the ability to examine the use of language in literature.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 19
Introduction to the Bible as Literature

4.0 Units

This is an introduction to the study of the Bible, in English, from a literary, cultural, and historical point of view, with consideration of its influence on our culture. Selected readings will be from the Hebrew Bible, Greek New Testament, and Apocrypha.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Identify and analyze a range of literary expression in the Old and New Testaments and Apocrypha.
- Identify and analyze the stories and figures that are the basis for countless works of art, literary allusions, and philosophical constructs of the western tradition.
- Compare and contrast myth and narrative structures to other ancient Mediterranean and world literatures.
- Identify, articulate and apply a range of possible interpretations of selected texts.
- Demonstrate an understanding of trends in thought and in literary mode throughout the Bible.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 21
Women in Literature

4.0 Units

This is an intensive study of representative literary works by or about women including an analysis of different historical, cultural, and critical perspectives.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Demonstrate understanding of a variety of literary texts by and about women.
- Analyze influence of class, race and ethnicity, culture, abilities, and sexual orientation on women as writers, characters, subjects and leaders in literary texts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 22
Mythology and Folklore

4.0 Units

An intercultural survey of prehistoric, historic, and contemporary world mythology and folklore which examines the relationship between a culture's myths and folktales and its art, literature, and social values.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Analyze elements, themes and motifs of myths, traditional stories and folktales.
- Apply a variety of critical perspectives in the interpretations of myths, traditional stories, folktales and their cultural contexts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 24
Asian Pacific American Literature

4.0 Units

This course is an introduction to Asian Pacific American literature. Through readings in twentieth and twenty-first century works, students will explore and analyze issues related to complexities of identity as it relates to class, gender, mixed heritages, and sexuality; politics and the history of Asian American activism and resistance to cultural marginalization; and diversity of cultures and experiences within the Asian Pacific American community.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(ASAM D020. was formerly ICS D024.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Identify multiple cultural and historical issues pertaining to Asian Pacific Americans in literature.
- Analyze issues pertaining to race, class, sexuality and/or gender in relation to Asian Pacific American communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0

Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 28
Young Adult Literature

4.0 Units

This course examines significant authors, movements, and traditions (continuing as well as emerging) in a diverse range of young adult literature.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Analyze defining formal and stylistic attributes of Young Adult Literature across literary genres.
- Analyze Young Adult literary texts from multiple critical perspectives.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 38
Utopian/Dystopian Literature

4.0 Units

Critical examination of texts of this genre, with particular attention to contemporary (postwar) dystopian novels, and with additional readings at instructor's discretion from political theory/philosophy, cultural studies, or other sources that foreground issues or themes implicit in the literary texts.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate an awareness of the ways in which literature can dramatize and critique ideas, issues, movements, and historical trends, as well as an awareness of the ways in which literature is "news that stays news".
- Develop an appreciation for the historical sources of utopian literature, and the light both historical and contemporary sources shed on human nature.
- Demonstrate an ability to apply theory and other ideas from interdisciplinary sources in reading and writing about literary texts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 39
Contemporary Literature

4.0 Units

This course is a critical examination of representative, contemporary literary works of the post-WWII period, with emphasis on more recent works and intercultural offerings, and attention to key trends, styles, and issues in a global context.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate the ability to analyze the diverse range of contemporary literary forms, focusing on works created after WWII.
- Demonstrate global, cultural, and social awareness by assessing the influence of contemporary culture, politics, psychology, and history within literature.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 40
African American Literature

4.0 Units

Examines significant authors, movements, and traditions in African American literature from the era of slavery to the present. Attention to key trends, styles, and issues related to race in the United States.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ELIT D060.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Analyze the defining formal and stylistic attributes of African American Literature including the genres of memoir, essay, fiction, poetry and drama.
- Assess the fluctuating socio-historical contexts that have influenced the development of African American literary texts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 41
Ethnic Literature of the United States

4.0 Units

Examines significant authors, movements, and traditions (continuing as well as emerging) in a diverse range of ethnic literature of the United States.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ELIT D061.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Analyze the diversity of content and range of literary styles, including the genres of memoir, fiction, poetry, and drama, by authors from differing cultural backgrounds across race and ethnic identities of the United States.
- Examine comparative cultural contexts that have shaped the production of a broad range of ethnic literature of the United States.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 41H
Ethnic Literature of the United States - HONORS

4.0 Units

Examines significant authors, movements, and traditions (continuing as well as emerging) in a diverse range of ethnic literature of the United States. As an honors course, the students will be expected to complete extra assignments to gain deeper insight in Ethnic literature of the United States.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Analyze the diversity of content and range of literary styles, including the genres of memoir, fiction, poetry, and drama, by authors from differing cultural backgrounds across race and ethnic identities of the United States.
- Examine comparative cultural contexts that have shaped the production of a broad range of ethnic literature of the United States.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 44
International Literature (Fiction)

4.0 Units

Reading and critical analysis of representative works of international fiction, including works from Africa, Asia, Latin America, Pacific Islands, and Australia. Literary, cultural, and cross-cultural interpretation, evaluation, and comparison of short stories and novels.

Course Information

Transferability
Transferable to both UC and CSU

Student Learning Outcomes
- Examine themes raised by various works or within one or more literary traditions of the non-Western world.
- Demonstrate knowledge of how different cultures produce different answers to timeless questions of human existence.
- Express understanding of how fictional works are shaped by historical circumstances.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 46A
Major British Writers (Medieval and Renaissance)

4.0 Units

This course includes reading and critical analysis of representative works by major writers such as Chaucer, Shakespeare, and Milton.

Course Information

General Course Statement(s)

(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT) or ESL 5) as determined by college assessment or other appropriate methods

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Acquire knowledge of the historical and cultural period, major writers, and key texts of Medieval and Renaissance British Literature.
- Develop critical thinking skills by applying a variety of critical and theoretical criteria to the evaluation of Medieval and Renaissance British Literature.
- Identify and assess the development of literary styles, forms, and genres as well as the depiction of male and female roles and various ethnic and social classes in the literature of the period.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 46AH
Major British Writers (Medieval and Renaissance) - HONORS

4.0 Units

This course includes reading and critical analysis of representative works by major writers such as Chaucer, Shakespeare, and Milton. Students in this course will be expected to complete extra assignments to gain a deeper insight into Literature.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT) or ESL 5) as determined by college assessment or other appropriate methods

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Acquire knowledge of the historical and cultural period, major writers, and key texts of Medieval and Renaissance British Literature.
- Develop critical thinking skills by applying a variety of critical and theoretical criteria to the evaluation of Medieval and Renaissance British Literature.
- Identify and assess the development of literary styles, forms, and genres as well as the depiction of male and female roles and various ethnic and social classes in the literature of the period.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 46B
Major British Writers (Neo-Classical and Romantic)

4.0 Units

This course explores readings and critical responses to representative works by major writers such as Pope, Behn, Swift, Johnson, Wordsworth, Coleridge, Percy and Mary Godwin Shelley, Keats, Austen, Montagu, and the Bronte sisters.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT) or ESL 5) as determined by college assessment or other appropriate methods

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Acquire knowledge of the historical and cultural period, major writers, and key texts of Neo-Classical and Romantic British Literature.
- Develop critical thinking skills by applying a variety of critical and theoretical criteria to the evaluation of Neo-Classical and Romantic British Literature.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 46BH
Major British Writers (Neo-Classical and Romantic) - HONORS

4.0 Units

This course explores readings and critical responses to representative works by major writers such as Pope, Behn, Swift, Johnson, Wordsworth, Coleridge, Percy and Mary Godwin Shelley, Keats, Austen, Montagu, and the Bronte sisters. Students will be expected to complete extra assignments to gain a deeper insight into Literature.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT) or ESL 5) as determined by college assessment or other appropriate methods

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes

- Acquire knowledge of the historical and cultural period, major writers, and key texts of Neo-Classical and Romantic British Literature.
- Develop critical thinking skills by applying a variety of critical and theoretical criteria to the evaluation of Neo-Classical and Romantic British Literature.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 46C
Major British Writers (Victorian and Modern)

4.0 Units

This course will examine readings and critical responses to representative works by major writers such as the Brontes, Tennyson, Barrett Browning, Browning, Dickens, Arnold, Hopkins, Wilde, Lawrence, Hardy, Yeats, Conrad, Joyce, Eliot, Beckett, Woolf, and Auden.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT) or ESL 5) as determined by college assessment or other appropriate methods

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Understanding of the prevailing economic, philosophical and ideological views of British culture during this period.
- Develop direct textual analysis skills and apply to understanding the social and psychological pressures and desires during this period.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 46CH
Major British Writers (Victorian and Modern) - HONORS

4.0 Units

This course will examine readings and critical responses to representative works by major writers such as the Brontes, Tennyson, Barrett Browning, Browning, Dickens, Arnold, Hopkins, Wilde, Lawrence, Hardy, Yeats, Conrad, Joyce, Eliot, Beckett, Woolf, and Auden. Students will be expected to complete extra assignments to gain a deeper insight into English Literature.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT) or ESL 5) as determined by college assessment or other appropriate methods

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Understanding of the prevailing economic, philosophical and ideological views of British culture during this period.
- Develop direct textual analysis skills and apply to understanding the social and psychological pressures and desires during this period.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 47A
World Literature: Antiquity to the 1500s

4.0 Units

The course engages students in a comparative study of selected works, in translation and English, of literature from around the world including Europe, the Middle East, Asia, Africa, and other areas, from antiquity to the middle of the sixteenth century.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Analyze the defining formal and stylistic attributes of a variety of literary forms across the ancient world, including oral literature, myths, prose, fiction, poems, and drama from the earliest known texts to approximately 1550 CE.
- Assess the influence of sociohistorical, cultural and political movements and events on the production of literary texts during this period.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0

Total	48.0	**Total**	96.0

ELIT 47B

World Literature: Africa and Latin America

4.0 Units

A comparative literature survey, "World Literature: Africa and Latin America" studies the works of literature of both Africa and Latin America from colonial times up to the present, in English and translation. The diversity of literature produced in both Northern and Sub-Saharan Africa, Latin America (including Brazil and the Caribbean), and various contemporary diasporas around the globe will be covered. The historically asynchronous approach investigates shared literary movements across national, linguistic, religious, and other social strata.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Comparatively analyze literature of diverse cultural origins.
- Evaluate the historical evolution of a culture's literary traditions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 48A

Major American Writers (Colonial to Romantic, 1620-1865)

4.0 Units

This course explores the reading and critical analysis of representative works by diverse writers such as William Bradford, Anne Bradstreet, Jonathan Edwards, Ben Franklin, Thomas Jefferson, James Fenimore Cooper, Edgar Allan Poe, Nathaniel Hawthorne, Herman Melville, Frederick Douglass, Harriet Jacobs, Harriet Beecher Stowe, Elias Boudinot, Chief Seattle, Sojourner Truth, Ralph Waldo Emerson, Margaret Fuller, and Henry David Thoreau.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT)) as determined by college assessment or other appropriate methods

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Acquire knowledge of the historical and cultural period, major writers, and key texts and documents of American Literature from 1620-1855.
- Develop critical thinking skills by applying a variety of critical and theoretical criteria to the evaluation of American literature from 1620-1855.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 48AH

Major American Writers (Colonial to Romantic, 1620-1865) - HONORS

4.0 Units

This course explores the reading and critical analysis of representative works by diverse writers such as William Bradford, Anne Bradstreet, Jonathan Edwards, Ben Franklin, Thomas Jefferson, James Fenimore Cooper, Edgar Allan Poe, Nathaniel Hawthorne, Herman Melville, Frederick Douglass, Harriet Jacobs, Harriet Beecher Stowe, Elias Boudinot, Chief Seattle, Sojourner Truth, Ralph Waldo Emerson, Margaret Fuller, and Henry David Thoreau. Because this is an honors program course, students will be expected to complete extra assignments to gain deeper insight in literature.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT) or ESL 5) as determined by college assessment or other appropriate methods

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Acquire knowledge of the historical and cultural period, major writers, and key texts and documents of American Literature from 1620-1855.
- Develop critical thinking skills by applying a variety of critical and theoretical criteria to the evaluation of American literature from 1620-1855.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 48B

Major American Writers (The Advent of Realism, 1865-1914)

4.0 Units

This course explores the reading and critical analysis of representative works by major writers such as Walt Whitman, Emily Dickinson, Mark Twain, Henry James, William Dean Howells, Charlotte Perkins Gilman, Charles Chesnutt, Mary Wilkins Freeman, Kate Chopin, Stephen Crane, Booker T. Washington, W.E.B. DuBois, Black Elk, and Robert Frost.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT) or ESL 5) as determined by college assessment or other appropriate methods

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Analyze the defining formal and stylistic attributes of a variety of American literary genres, schools and movements, including realism and naturalism in American literature from the Civil War to the early 20th Century.
- Assess the influence of sociohistorical, cultural and political movements and events on the production of literary texts during this period of American literature from the Civil War to the early 20th Century.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 48BH
Major American Writers (The Advent of Realism, 1865-1914) - HONORS

4.0 Units

This course explores the reading and critical analysis of representative works by major writers such as Walt Whitman, Emily Dickinson, Mark Twain, Henry James, William Dean Howells, Charlotte Perkins Gilman, Charles Chesnutt, Mary Wilkins Freeman, Kate Chopin, Stephen Crane, Booker T. Washington, W.E.B. DuBois, Black Elk, and Robert Frost. Because this is an honors program course, students will be expected to complete extra assignments to gain deeper insight in Literature.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT)) as determined by college assessment or other appropriate methods

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Analyze the defining formal and stylistic attributes of a variety of American literary genres, schools and movements, including realism and naturalism in American literature from the Civil War to the early 20th Century.
- Assess the influence of sociohistorical, cultural and political movements and events on the production of literary texts during this period of American literature from the Civil War to the early 20th Century.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 48C
Major American Writers (The Modern Age, 1914-the Present)

4.0 Units

This course explores the reading and critical analysis of representative works by major writers of the modern/postmodern periods such as Faulkner, Hemingway, Hurston, Morrison, Fitzgerald, Hughes, Wright, Ellison, Williams, Cisneros, Stevens, Sexton, Eliot, Vonnegut, Pynchon, O'Connor, Plath, Carver, Wilson, and O'Neill.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT)) as determined by college assessment or other appropriate methods

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Acquire knowledge of the historical and cultural period, major writers, and key texts and documents of American Literature from 1914 to present.
- Develop critical thinking skills by applying a variety of critical and theoretical criteria to the evaluation of American literature from 1914 to the present.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 48CH
Major American Writers (The Modern Age, 1914-the Present) - HONORS

4.0 Units

This course explores the reading and critical analysis of representative works by major writers of the modern and postmodern periods, such as Faulkner, Hemingway, Hurston, Morrison, Fitzgerald, Hughes, Wright, Ellison, Williams, Cisneros, Stevens, Sexton, Eliot, Vonnegut, Pynchon, O'Connor, Plath, Carver, Wilson, and O'Neill. Because this is an honors program course, students will be expected to complete extra assignments to gain deeper insight into English literature.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT) or ESL 5) as determined by college assessment or other appropriate methods

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Acquire knowledge of the historical and cultural period, major writers, and key texts and documents of American Literature from 1914 to present.
- Develop critical thinking skills by applying a variety of critical and theoretical criteria to the evaluation of American literature from 1914 to the present.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ELIT 78
Special Topics in Literature

1.0 Units

This course involves an intensive study and analysis of a special topic in literature.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Differentiate a variety of contexts, as well as responses, statements, and analyses associated with course subject.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

ELIT 78X
Special Topics in Literature

2.0 Units

This course involves an intensive study and analysis of a special topic in literature.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Differentiate a variety of contexts, as well as responses, statements, and analyses associated with course subject.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

ELIT 78Y
Special Topics in Literature

3.0 Units

This course involves an intensive study and analysis of a special topic in literature.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Differentiate a variety of contexts, as well as responses, statements, and analyses associated with course subject.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

ELIT 78Z
Special Topics in Literature

4.0 Units

This course involves an intensive study and analysis of a special topic in literature.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Differentiate a variety of contexts, as well as responses, statements, and analyses associated with course subject.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ENGR 10
Introduction to Engineering

4.5 Units

This course is an introduction to engineering design through a variety of team projects, including experimentation, data analysis, and the development of computer skills. Students will be exposed to several engineering disciplines through project design and problem solving for the purpose of providing information to assist them in choosing a major.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 210 or equivalent.

Student Learning Outcomes
- Analyze, graph and develop a formula for a given data set.
- Prepare and write technical specifications and documentation, and be able to orally present them.
- Work collaboratively on an engineering team.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	5.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	60.0	**Laboratory**	0.0
Total	96.0	**Total**	72.0

ENGR 35
Statics

4.0 Units

This course covers the principles of statics as applied to particles and rigid bodies in two and three dimensions; vector solutions for concentrated and distributed loads; the determination of centroids and moments of inertia and the effects of dry friction; and programming computer solutions.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ENGR 10, MATH 1B or MATH 1BH, and PHYS D004A

Student Learning Outcomes
- Analyze two- and three-dimensional force systems on rigid bodies in static equilibrium using vector and scalar analysis methods.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

ENGR 37
Introduction to Circuit Analysis

5.0 Units

This course introduces the analysis of linear circuits; first- and second-order differential equations describing RLC circuits; the natural and forced response of simple circuits; the development of steady-state sinusoidal circuit analysis for the network differential equations; and the study of Thevenin, Norton, and operational amplifiers.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 1D or MATH 1DH; PHYS 4B (may be taken concurrently)

Student Learning Outcomes
- Analyze circuits containing resistive, capacitive, inductive passive elements, along with op-amps interconnected to voltage and current sources.
- Use circuit laws and network theorems to solve DC steady state circuits, RC, RL, and RLC DC circuit transients and sinusoidal AC steady state circuits.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ENGR 77
Special Projects in Engineering

1.0 Units

This course involves individual special reading, writing, or study projects in engineering as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

ENGR 77X

Special Projects in Engineering

2.0 Units

This course involves individual special reading, writing, or study projects in engineering as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

ENGR 77Y

Special Projects in Engineering

3.0 Units

This course involves individual special reading, writing, or study projects in engineering as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

ENGR 78X

Special Projects in Electrical Engineering

1.0 Units

This course involves individual special reading, writing, or study projects in electrical engineering as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest in the fields of Electrical Engineering and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

ENGR 78Y

Special Projects in Electrical Engineering

2.0 Units

This course involves individual special reading, writing, or study projects in electrical engineering as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest in the fields of Electrical Engineering and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

ENGR 78Z

Special Projects in Electrical Engineering

3.0 Units

This course involves individual special reading, writing, or study projects in electrical engineering as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest in the fields of Electrical Engineering and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

ENGR 79X

Special Projects in Mechanical Engineering

1.0 Units

This course includes individual special reading, writing, or study projects in mechanical engineering as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

ENGR 79Y

Special Projects in Mechanical Engineering

2.0 Units

This course includes individual special reading, writing, or study projects in mechanical engineering as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

ENGR 79Z

Special Projects in Mechanical Engineering

3.0 Units

This course includes individual special reading, writing, or study projects in mechanical engineering as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

ESCI 1
Environmental Science

4.0 Units

An introductory course designed to expose students to environmental science. Human interactions with the environment and their consequences for living and nonliving systems will be examined. Topics will include evolution, ecology, biodiversity, human population dynamics, natural resource use, pollution, environmental degradation, climate change, marine and freshwater resources, and environmental policy.

(One-day field trip outside of scheduled class time may be required for this course.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Utilize the scientific method to demonstrate role of scientist and public to to analyze the consequences of human actions on the physical, biological, and cultural world.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ESCI 1L
Environmental Science Laboratory

1.0 Units

An introduction to environmental science as a branch of the sciences including the scientific method and its relation to the scientific field in a laboratory and field setting. Applications of scientific, environmental, ecological and sustainability principles as they relate to human societies will be explored.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ESCI 1 (may be taken concurrently)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Assess local open space areas such as major aquatic life zones (coastal wetlands, inland wetlands, and riparian) and terrestrial biomes (grasslands, forests, savannah and transitional areas (ecotones)) and the impacts on these systems by humans, such as human systems including sanitary landfills, sewage treatment facilities and others.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

ESCI 19
Environmental Biology

5.0 Units

An introduction to environmental biology as a branch of the environmental sciences and its relation to the scientific field. Review of the principles of environmental biology, ecology and conservation as they relate to natural resource use, the biodiversity crisis, pollution, human population, climate change and the impacts on all cultural, ethnic and gender groups.

(Field trip outside of scheduled class time may be required for this course.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Compare Environmental and ecological principles, concepts, and possible solutions and sustainable practices.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

ESCI 21
Practices of Environmental Stewardship

5.0 Units

A focus on the California Floristic Province, emphasizing the ways California's biodiversity is sampled and studied. Includes hands-on fieldwork surveying vegetation and animal populations, discussion of societal impacts of biodiversity loss and conservation, and the importance of biodiversity conservation today.

(Off-campus field trips may be required.)

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Synthesize solutions to threats to biodiversity.
- Design management plans for open/garden spaces considering stakeholder perspectives.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

ESCI 30
Introduction to Conservation Biology

5.0 Units

An introduction to biodiversity and conservation biology as a branch of the environmental sciences. This course will focus on species richness, genetic diversity and ecosystem diversity through the exploration of contemporary biodiversity and conservation issues. Adaptive, community-based conservation techniques applied to develop practical problem-solving approaches to the biodiversity crisis including habitat fragmentation and biological monitoring. In addition cultural, economic and philosophical aspects of biodiversity conservation will be explored.

(Off-campus field trips will be required.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Appraise current national and international conservation issues and explain proximate and ultimate threats to biodiversity.
- Defend the importance of genetic diversity within species as a key conservation tool aiding species' long-term survival.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

ESCI 50
Introduction to Urban Ecology

4.0 Units

This course examines how nature and wildlife in urban spaces face different constraints than that of "untouched" wilderness and aims to introduce the intersection of nature and human-constructed civilizations. Students will learn about the methods of analysis in urban ecology and apply their knowledge to a case study.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Propose sustainable recommendations for a local community.
- Assess the relation of living organisms with each other and their surroundings in the context of an urban environment.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ESCI 54
Environmental Analysis

3.0 Units

This course explores the data analysis techniques, protocol, and equipment utilized in Environmental Science. Students will apply the data analysis techniques utilized in the preservation, protection, and restoration of environmental systems.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Students will be able to analyze data in an environmental scenario.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

ESCI 56
Plant Survey Techniques

3.0 Units

This course examines the plant survey techniques and plant community ecology principles utilized in wildlife science corridor and landscape design, preservation, or restoration. Students will apply these plant survey techniques to assist in the preservation, protection, and restoration of native species and ecosystems.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Students will be able to conduct plant survey techniques.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

ESCI 57
Wildlife Monitoring

2.0 Units

This is a wildlife monitoring field studies lab course exploring wildlife movement and wildlife corridors. Students apply the principles of Conservation Biology, Landscape Ecology, and Ecosystems Management to assist in the preservation, protection, and restoration of native species and ecosystems.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Communicate results of wildlife monitoring assessment to community.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

ESCI 58
Landscape Linkages for California

2.0 Units

This is a landscape linkages field studies lab course exploring wildlife movement, habitat utilization, data collection, and analysis in California. Students apply wildlife tracking principles and techniques as well as relevant state and federal legislation and policy to an actual statewide corridor case study to assist in the preservation, protection, and restoration of native species, ecosystems, and landscape connectivity statewide.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Research and analyze, in a field setting, wildlife monitoring at a landscape connectivity level, and assess techniques utilized in wildlife science/connectivity studies statewide.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

ESCI 60
Restoration Ecology

5.0 Units

An introduction to ecological restoration. Includes a review of ecological theories as necessary for restoration based projects. The Cheeseman Environmental Studies serves as a laboratory for students project-based, experiential learning.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Formerly Statement
(Formerly ESCI D020.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Utilize the knowledge gained through the understanding of natural systems functions to create a restoration project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

ESCI 77
Special Projects in Environmental Science

1.0 Units

Individual research in environmental science. Specific projects will be determined in consultation with the instructor. Outside reading and a written report required.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment

(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes

- Demonstrate the ability to communicate work place or field studies principles and practices learned from an Environmental Science special project experience.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

ESCI 77X

Special Projects in Environmental Science

2.0 Units

Individual research in environmental science. Specific projects will be determined in consultation with the instructor. Outside reading and a written report required.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes

- Demonstrate the ability to communicate work place or field studies principles and practices learned from an Environmental Science special project experience.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

ESCI 77Y

Special Projects in Environmental Science

3.0 Units

Individual research in environmental science. Specific projects will be determined in consultation with the instructor. Outside reading and a written report required.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes

- Demonstrate the ability to communicate work place or field studies principles and practices learned from an Environmental Science special project experience.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

ESL 5

Advanced Composition and Reading

5.0 Units

Close reading and analysis of a variety of societal, academic, and literary texts representing culturally diverse perspectives. Practice of the techniques of expository, response, and argumentative writing based on critical reading and critical thinking. Composition of clear, organized, and well-developed essays, with outside sources and demonstration of information literacy.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
EWRT 211 and READ 211, or ESL 272 and D273., or a qualifying score on the English as a Second Language Placement Test

Student Learning Outcomes

- Analyze and evaluate college-level fiction & nonfiction texts.
- Write essays, including research-based writing, demonstrating academic rhetorical strategies and documentation.
- Demonstrate college-level grammar, sentence structure, and vocabulary in writing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ESL 6

Critical Reading and Research for Writing

5.0 Units

This course focuses on the development of analytical, integrative, and research skills in reading and writing about diverse literature and texts. It emphasizes library and outside research that leads to analysis, comparison, and synthesis of information in academic writing and a research paper.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Develop analytical, interpretive, and integrative reading skills in readings that reflect multiple forms of diversity.
- Write well developed, analytical essays based on critical readings of literary texts and research.
- Demonstrate correct grammar, sentence structure, and academic vocabulary in writing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ESL 200
High Beginning English as a Second Language

10.0 Units

Development of English listening, speaking, reading and writing skills at the high-beginning level with an emphasis on explicit, direct grammar instruction. Practice in listening to basic forms of conversational English and speaking with comprehensible pronunciation. Development of basic reading comprehension and vocabulary. Practice in writing simple and basic compound sentences, short narratives, explanations, and descriptions.

Course Information

Transferability
Not transferable

Prerequisite(s)
Qualifying score on the English as a Second Language Placement Test.

Student Learning Outcomes
- Comprehend and respond to high-beginning reading and listening materials.
- Write a group of topic-related sentences using high-beginning grammar and vocabulary.
- Demonstrate understanding and usage of high-beginning grammar and vocabulary in reading, writing, listening and speaking.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	10.0	20.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	120.0	**Lecture**	240.0
Laboratory	0.0	**Laboratory**	0.0
Total	120.0	**Total**	240.0

ESL 234
Low Intermediate English as a Second Language

10.0 Units

Development of English speaking, listening, reading and writing skills at the low intermediate level. Emphasis on explicit grammar instruction, writing a group of topic-related sentences, vocabulary building, pronunciation and discussion of multicultural topics.

Course Information

Transferability
Not transferable

Prerequisite(s)
Qualifying score on the English as a Second Language Placement Test or ESL 200 with a grade of C or better

Student Learning Outcomes
- Comprehend, analyze and respond to reading and listening low intermediate materials.
- Write a group of topic-related sentences using low intermediate grammar and vocabulary.
- Demonstrate understanding and usage of low intermediate grammar and vocabulary in reading, writing, listening and speaking.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	10.0	20.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	120.0	**Lecture**	240.0
Laboratory	0.0	**Laboratory**	0.0
Total	120.0	**Total**	240.0

ESL 244
Intermediate English as a Second Language

10.0 Units

Development of English speaking, listening, reading and writing skills with an emphasis on explicit, direct grammar instruction. Vocabulary-building and writing are emphasized. Pronunciation practice and discussion of cross-cultural topics are also included.

Course Information

Transferability
Not transferable

Prerequisite(s)
Qualifying score on the English as a Second Language Placement Test or ESL 234 with a grade of C or better

Student Learning Outcomes
- Comprehend, analyze and respond to reading and listening intermediate materials.
- Write a group of topic-related sentences using level specific grammar and vocabulary.
- Demonstrate understanding and usage of level-specific grammar and vocabulary in reading, writing, listening and speaking.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	10.0	20.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	120.0	**Lecture**	240.0
Laboratory	0.0	**Laboratory**	0.0
Total	120.0	**Total**	240.0

ESL 251
High Intermediate Listening and Speaking

2.0 Units

This course covers English speaking and listening practice in a variety of contexts, with the development of vocabulary appropriate in both formal and informal situations.

Course Information

Transferability
Not transferable

Prerequisite(s)
ESL 244 or ESL 444 or a qualifying score on the English as a Second Language Placement Test

Student Learning Outcomes
- Produce comprehensible high-intermediate spoken English through one-on-one, group, and public speaking situations on academic topics.
- Demonstrate listening comprehension of a variety of high-intermediate listening materials, including academic lectures, newscasts, interviews and dialogues by taking notes and answering questions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

ESL 252
High Intermediate Reading

3.0 Units

Development of high intermediate English reading comprehension and vocabulary building skills in extended written materials.

Course Information

Transferability
Not transferable

Prerequisite(s)
ESL 244 or a qualifying score on the English as a Second Language Placement Test

Advisory(ies)
ESL 252 students may also take ESL 251 and D253. concurrently

Student Learning Outcomes
- Demonstrate comprehension of literal and inferred meaning of level-specific reading materials.
- Identify organization and rhetorical modes of extended reading materials.
- Identify the main and supporting ideas of a level-appropriate text.
- Demonstrate understanding and usage of level-specific vocabulary in readings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

ESL 253
High Intermediate Grammar and Writing

4.0 Units

Develop skills in using level-specific grammar and sentence structure in writing. Write organized and well-developed descriptive, narrative, and explanatory paragraphs.

Course Information

Transferability
Not transferable

Prerequisite(s)
ESL 244 or a qualifying score on the English as a Second Language Placement Test

Advisory(ies)
ESL 253 students may also take ESL 251 and D252. concurrently

Student Learning Outcomes
- Demonstrate understanding and usage of level-specific grammar and vocabulary in writing.
- Write well developed, single and connected narrative, descriptive, and explanatory paragraphs demonstrating level specific grammar and vocabulary in response to reading materials.
- Evaluate own writing for rhetorical structure, clarity, and grammatical correctness by means of revision and editing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ESL 254
American Language and Culture Through Media as Related to Child Development

2.0 Units

This course allows students to develop an understanding of American culture, language, common idioms, and slang through viewing and discussing American films and television related to child development.

Course Information

Transferability
Not transferable

Corequisite(s)
Any Child Development course

Student Learning Outcomes
- Demonstrate the ability to comprehend and respond critically to American television and English language films related to child development.
- Demonstrate the ability to compare and evaluate American customs from different cultural perspectives in response to the content of American television and films related to child development.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

ESL 255

High Intermediate Grammar, Writing and Reading

6.0 Units

This course develops high-intermediate reading comprehension, vocabulary, and writing skills using high-intermediate grammar. Students will be able to write well-organized and well-developed descriptive, narrative, and explanatory paragraphs.

Course Information

Transferability
Not transferable

Prerequisite(s)
ESL 244 or ESL 444 or a qualifying score on the English as a Second Language Placement Test

Student Learning Outcomes

- Develop high intermediate English reading comprehension skills and vocabulary building skills in extended written materials.
- Demonstrate understanding and usage of high intermediate vocabulary in readings and writing.
- Write well-developed, single and connected narrative, descriptive, and explanatory paragraphs demonstrating high intermediate grammar and vocabulary in response to reading materials.
- Evaluate own writing for rhetorical structure, clarity, organization, and grammatical correctness by means of revision and editing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	6.0	12.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	72.0	**Lecture**	144.0
Laboratory	0.0	**Laboratory**	0.0
Total	72.0	**Total**	144.0

ESL 260

Accent Reduction (for Non-Native Speakers)

4.0 Units

Emphasis on production of speech that is intelligible and accurate through the study and practice of the English language sound system, stress, linking, reduction, rhythm and intonation patterns.

Course Information

Transferability
Not transferable

Student Learning Outcomes

- Demonstrate knowledge of the sound system and patterns of spoken English.
- Apply the knowledge of the sound system and patterns of spoken English by orally producing level appropriate speech that is intelligible and accurate.
- Demonstrate the ability to analyze one's own speech mistakes and correct these mistakes independently.
- Comprehend and respond appropriately to the patterns of spoken English.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ESL 260A

American English Pronunciation 1

3.0 Units

This course focuses on understanding native speakers' speech and production of speech that is intelligible and accurate through the study and practice of the English language vowel sounds, syllables, and prosodic patterns and features.

Course Information

Transferability
Not transferable

Advisory(ies)
ESL 251 or ESL 451

Student Learning Outcomes

- Demonstrate knowledge of the American English pronunciation by discriminating vowel sounds, syllables, stress, rhythm, and intonation patterns.
- Apply the knowledge of the American English vowel sounds, syllables, stress, rhythm, and intonation patterns by orally producing level-appropriate speech that is intelligible and accurate.
- Demonstrate the ability to analyze one's own speech errors and correct them independently.
- Comprehend and respond appropriately to native speakers' spoken English.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

ESL 260B

American English Pronunciation 2

3.0 Units

This course focuses on understanding native speakers' speech and production of speech that is intelligible and accurate through the study and practice of the English language consonant sounds, voicing, aspiration, grammatical endings, linking, and sound change.

Course Information

Transferability
Not transferable

Advisory(ies)
Advisory: ESL 251 or ESL 451

Student Learning Outcomes

- Demonstrate knowledge of the American English pronunciation by discriminating consonant sounds, voicing, aspiration, grammatical endings, linking, and sound change.
- Apply the knowledge of the American English consonant sounds, voicing, aspiration, grammatical endings, linking, and sound change by orally producing level-appropriate speech that is intelligible and accurate.
- Demonstrate the ability to analyze one's own speech errors and correct these errors independently.
- Comprehend and respond appropriately to native speakers' spoken English.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

ESL 261
Low Advanced Listening and Speaking

2.0 Units

This course emphasizes listening comprehension and proficiency in speaking in academic settings, and the expression of students' ideas using a variety of speaking strategies, along with development of vocabulary, pronunciation and note-taking skills.

Course Information

Transferability
Not transferable

Prerequisite(s)
ESL 251 or ESL 451 or a qualifying score on the English as a Second Language Placement Test

Student Learning Outcomes
- Produce comprehensible low advanced spoken English on academic topics through one-on-one, group and public speaking situations.
- Demonstrate listening comprehension of a variety of low advanced materials, including academic lectures, newscasts, dialogues and interviews by taking notes and answering questions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

ESL 262
Low Advanced Reading

3.0 Units

Development of low advanced reading comprehension, vocabulary building skills, and improved reading rate in extended written materials.

Course Information

Transferability
Not transferable

Prerequisite(s)
ESL 252 and D253.; or a qualifying score on the English as a Second Language Placement Test

Advisory(ies)
ESL 263 students may take ESL 261 and D262. concurrently

Student Learning Outcomes
- Demonstrate comprehension of literal and inferred meaning of level-specific academic reading materials and fiction.
- Identify and analyze organization and rhetorical modes of extended reading materials.
- Identify the main and supporting ideas of a level-appropriate text.
- Demonstrate understanding and usage of level-specific vocabulary in academic readings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

ESL 263
Low Advanced Grammar and Writing

4.0 Units

Develop skills for writing clear, organized, well-developed, multiple paragraph compositions that demonstrate analytical thinking and level-appropriate grammar, sentence structure and vocabulary.

Course Information

Transferability
Not transferable

Prerequisite(s)
ESL 252 and D253.; or a qualifying score on the English as a Second Language Placement Test

Advisory(ies)
ESL 263 students may take ESL 261 and D262. concurrently

Student Learning Outcomes
- Write well-developed, single and connected analytical paragraphs in response to reading materials.
- Evaluate own writing for unity, coherence, clarity, development and rhetorical structure by means of revision and editing.
- Demonstrate understanding and usage of level-specific grammar, sentence structure, and vocabulary in writing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ESL 265
Low Advanced Grammar, Writing and Reading

6.0 Units

This course will develop low-advanced skills for writing clear, organized, well-developed multi-paragraph compositions, grammar, sentence structure and reading comprehension, and vocabulary for students.

Course Information

Transferability
Not transferable

Prerequisite(s)
ESL 255 or ESL 455 or a qualifying score on the English as a Second Language Placement Test

Student Learning Outcomes
- Write well-developed, connected, analytical paragraphs in response to reading materials.
- Evaluate own writing for unity, coherence, clarity, development and rhetorical structure by means of revision and editing.
- Demonstrate understanding and usage of low-advanced grammar, sentence structure, and vocabulary in writing and reading.
- Demonstrate reading comprehension skills of low-advanced academic reading materials and fiction.
- Identify and analyze organization and rhetorical modes of extended reading materials.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	6.0	12.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	72.0	**Lecture**	144.0
Laboratory	0.0	**Laboratory**	0.0
Total	72.0	**Total**	144.0

ESL 272
Advanced Reading and Vocabulary

4.0 Units

This course focuses on the development of academic vocabulary, reading, and critical thinking skills through extensive readings of college-level material in English.

Course Information

Transferability
Not transferable

Prerequisite(s)
ESL 261 and ESL 265, or ESL 461 and ESL D465., with a grade of C or better; or a qualifying score on the English as a Second Language Placement Test

Student Learning Outcomes
- Demonstrate comprehension of literal and inferred meanings of fiction and nonfiction texts.
- Demonstrate critical analysis and evaluation of ideas, persuasive techniques, and/or validity of arguments found in readings through responsive writing.
- Demonstrate in writing the understanding and use of academic vocabulary with few basic errors.
- Identify main arguments and supporting ideas/examples of expository prose in selected readings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ESL 273
Introduction to the Essay

4.0 Units

This is an introduction to the principles and techniques of academic essay writing based on critical reading and thinking.

Course Information

Transferability
Not transferable

Prerequisite(s)
ESL 261 and ESL 265, or ESL 461 and ESL D465., with a grade of C or better; or a qualifying score on the English as a Second Language Placement Test

Student Learning Outcomes
- Write well-developed essays that analyze and synthesize main ideas and differing viewpoints from a variety of academic reading materials.
- Demonstrate advanced grammar, sentence structures and vocabulary in writing.
- Evaluate one's own writing for rhetorical structure and clarity by means of revision and editing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ESL 274
Advanced Grammar and Proofreading for Writers

3.0 Units

This is an advanced grammar course. It focuses on helping students improve their grammar and editing skills to become successful academic writers. The course addresses the students' individual grammar needs and helps develop effective proofreading skills.

Course Information

Transferability
Not transferable

Advisory(ies)
Eligibility for ESL 273 or ESL 473

Student Learning Outcomes
- Analyze and use English grammar, usage and mechanics for correctness in writing for various academic purposes.
- Evaluate own writing to edit and proofread effectively.
- Develop awareness of error patterns and make corrections and improvements to those patterns.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

ESL 280

Developmental Reading for Child Development and Education

1.0 Units

This course provides language support for non-native English speakers taking Child Development courses. The focus is on developing reading and vocabulary building strategies to help students successfully understand Child Development content, textbooks, class and group discussions, and writing and interview assignments.

Course Information

Transferability
Not transferable

Corequisite(s)
CD 10G, D010H, D012., D050., D051., D054., D056., or D064.

Advisory(ies)
ESL 251, D252. and D253.; or a qualifying score on the English as a Second Language Placement Test

Student Learning Outcomes
- Demonstrate increase in Child Development related vocabulary.
- Engage in conversation in English at an intermediate level regarding Child Development issues.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

EWRT 1A

Composition and Reading

5.0 Units

This course introduces students to university-level reading and writing, with an emphasis on analysis, and closely examines a variety of texts (personal, popular, literary, professional, academic) from culturally diverse traditions. Students will practice common rhetorical strategies used in academic writing and compose clear, well-organized, and well-developed essays, with varying purposes and differing audiences, from personal to academic.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT)) as determined by college assessment or other appropriate methods

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Practice writing as a multi-step process including planning and revising with attention to varying purposes, audiences, and rhetorical strategies.
- Read and analyze rhetorically and culturally diverse narrative and expository texts from a variety of perspectives.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

EWRT 1AH

Composition and Reading - HONORS

5.0 Units

This course introduces students to university-level reading and writing, with an emphasis on analysis, and closely examines a variety of texts (personal, popular, literary, professional, academic) from culturally diverse traditions. Students will practice common rhetorical strategies used in academic writing and compose clear, well-organized, and well-developed essays, with varying purposes and differing audiences, from personal to academic. As an honors course, the students will be expected to complete extra assignments to gain deeper insight into English Composition.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT)) as determined by college assessment or other appropriate methods

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Practice writing as a multi-step process including planning and revising with attention to varying purposes, audiences, and rhetorical strategies.
- Read and analyze rhetorically and culturally diverse narrative and expository texts from a variety of perspectives.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

EWRT 1AS

Intensive Composition and Reading Stretch: First Quarter

5.0 Units

Integration of reading and writing skills necessary for success in EWRT D001A with an emphasis on evaluation, analysis, synthesis, questioning, and critical inquiry of assigned readings, from culturally diverse traditions, and in essays. Immersion in the reading and writing process with opportunities for instruction on strategies and skills to succeed in transfer-level curriculum. Composition of well-organized, clear essays with varying purposes and audiences both in and out of class. This is the first of a two-course sequence.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Placement based on English Assessment Process, including GPA multiple measure assessment.

Student Learning Outcomes

- Practice writing as a multi-step process including planning and revising with attention to varying purposes, audiences, and rhetorical strategies.
- Read and analyze rhetorically and culturally diverse narrative and expository texts from a variety of perspectives.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

EWRT 1AT
Intensive Composition and Reading Stretch: Second Quarter

5.0 Units

Introduction to university level reading and writing, with an emphasis on analysis. Close examination of a variety of texts (personal, popular, literary, professional, academic) from culturally diverse traditions. Practice in common rhetorical strategies used in academic writing. Composition of clear, well-organized, and well-developed essays, with varying purposes and differing audiences, from personal to academic. This is the second of a two-course sequence.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
EWRT 1AS with a grade of C or higher

Student Learning Outcomes

- Practice writing as a multi-step process including planning and revising with attention to varying purposes, audiences, and rhetorical strategies.
- Read and analyze rhetorically and culturally diverse narrative and expository texts from a variety of perspectives.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

EWRT 1B
Reading, Writing and Research

5.0 Units

This course will emphasize the development of analytical, integrative skills in reading and writing. Students will explore academic (interpretive, analytical, argumentative) writing based largely on reading of literary/imaginative texts linked by a common theme or issue. The course includes outside research leading to analysis, comparison, and synthesis in documented research paper.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT)

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes

- Demonstrate analytical skills in the reading of literary (and non-literary) texts linked by common theme or issue.
- Demonstrate analytical, organizational, verbal, and research skills in writing.
- Evaluate multiple sources and integrate them in an analytical research paper.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

EWRT 1BH
Reading, Writing and Research - HONORS

5.0 Units

This course will emphasize the development of analytical, integrative skills in reading and writing. Students will explore academic (interpretive, analytical, argumentative) writing based largely on reading of literary/imaginative texts linked by a common theme or issue. The course includes outside research leading to analysis, comparison, and synthesis in documented research paper. Because this is an honors program course, students will be expected to complete extra assignments to gain deeper insight in critical thinking and literature.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT)

Limitation(s) on Enrollment

- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes

- Demonstrate analytical skills in the reading of literary (and non-literary) texts linked by common theme or issue.
- Demonstrate analytical, organizational, verbal, and research skills in writing focused on common theme or issue.
- Evaluate multiple points of view and integrate them in analytical research paper.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)

12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

EWRT 1C

Literature and Composition

5.0 Units

This course applies the analytical, critical, and synthesis skills developed in EWRT D001A/D01AH and EWRT D001B/D01BH, and/or EWRT D002./D002H to the ways meaning can be made in diverse cultural, social, and historical contexts in prose, poetry, and drama by reading and analyzing texts and critical interpretations and by composing critical responses, analyses, and arguments.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
EWRT 1B, D01BH, 2, or D002H

Student Learning Outcomes
- Identify the multiple levels of meaning of literary texts in journals, discussion, and essays.
- Analyze the cultural and historical background of literary texts.
- Demonstrates a progressive knowledge of the literary texts in essays and discussion through increasing length and/or the inclusion of appropriate quotations and close readings.
- Write effectively organized, academic (analytical, argumentative) essays based on literary texts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

EWRT 2

Critical Reading, Writing and Thinking

5.0 Units

This course allows students to develop critical thinking skills and the ability to apply these skills to reading and writing. Students will practice analytical and argumentative academic essays based on the reading of complex texts, and the use of outside research leading to analysis, comparison and synthesis, and a documented research paper.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Apply critical thinking skills to writing and complex readings.
- Demonstrate academic (analytical, argumentative) writing based on reading of complex texts.
- Demonstrate analysis, comparison, synthesis, and documentation of independent research.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

EWRT 2H

Critical Reading, Writing and Thinking - HONORS

5.0 Units

This course allows students to develop critical thinking skills and the ability to apply these skills to reading and writing. Students will practice analytical and argumentative academic essays based on the reading of complex texts, and the use of outside research leading to analysis, comparison and synthesis, and a documented research paper. Because this is an honors program course, it includes more advanced assignments and assessments.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Apply critical thinking skills to writing and complex readings.
- Demonstrate academic (analytical, argumentative) writing based on reading of complex texts.
- Demonstrate analysis, comparison, synthesis, and documentation of independent research.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

EWRT 30

Introduction to Creative Writing

5.0 Units

Introduction to the writing of fiction, poetry, drama, and creative nonfiction, through both critical analysis and intensive practice.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT) or ESL 5) as determined by college assessment or other appropriate methods

Student Learning Outcomes
- Demonstrate a personal creative process in multiple literary genres.
- Identify and apply major technical and stylistic elements of imaginative writing.
- Evaluate one's peers' and one's own imaginative writing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

EWRT 40
Fiction Writing

5.0 Units

Development of fiction writing skills through critical analysis and intensive practice.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT) or ESL 5) as determined by college assessment or other appropriate methods

Student Learning Outcomes
- Demonstrate a personal creative process in fiction writing.
- Identify and apply major technical and stylistic elements of fiction.
- Evaluate one's peers' and one's own stories.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

EWRT 41
Poetry Writing

5.0 Units

Development of poetry writing skills through critical analysis and intensive practice.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT) or ESL 5) as determined by college assessment or other appropriate methods

Student Learning Outcomes
- Demonstrate a personal creative process in poetry writing.
- Identify and apply major technical and stylistic elements of poetry.
- Evaluate one's peers' and one's own poems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

EWRT 42
Introduction to Creative Nonfiction and Memoir Writing

5.0 Units

Development of skills in writing creative nonfiction and memoir through critical analysis and intensive practice.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT) or ESL 5) as determined by college assessment or other appropriate methods

Student Learning Outcomes
- Demonstrate a personal creative process in the writing of memoir and creative non-fiction.
- Identify and apply major technical and stylistic elements of creative non-fiction.
- Evaluate one's peers' and one's own creative non-fiction.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

EWRT 65A
Literary Magazine I, National Edition

2.0 Units

Emphasis on collaborative evaluation and selection of fiction, poetry, and other literary submissions for professional annual magazine publication including attention to management and issue planning as well as design.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly EWRT D065. and EWRT D065X respectively.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Establish and apply aesthetic criteria to selection of material for national literary magazine.
- Apply management principles to plan and publish a national literary magazine.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

EWRT 65AX
Literary Magazine I, National Edition

3.0 Units

Emphasis on collaborative evaluation and selection of fiction, poetry, and other literary submissions for professional annual magazine publication including attention to management and issue planning as well as design.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly EWRT D065. and EWRT D065X respectively.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Establish and apply aesthetic criteria to selection of material for national literary magazine.
- Apply management principles to plan and publish a national literary magazine.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

EWRT 65B
Literary Magazine II, National Edition

2.0 Units

Continuation of Literary Magazine I, National Edition (EWRT D065A or EWRT D65AX) with emphasis on genre-specific collaboration with editing, design, issue planning, screening, and/or management teams, including evaluation of fiction, poetry, and other literary submissions for annual national magazine.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
EWRT 65A or EWRT 65AX

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Establish and apply specialized, genre-specific aesthetic criteria to selection of material for national literary magazine.
- Apply management principles to plan and publish a national literary magazine.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

EWRT 65BX
Literary Magazine II, National Edition

3.0 Units

Continuation of Literary Magazine I, National Edition (EWRT D065A or EWRT D65AX) with emphasis on genre-specific collaboration with editing, design, issue planning, screening, and/or management teams, including evaluation of fiction, poetry, and other literary submissions for annual national magazine.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
EWRT 65A or EWRT 65AX

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Establish and apply specialized, genre-specific aesthetic criteria to selection of material for national literary magazine.
- Apply management principles to plan and publish a national literary magazine.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

EWRT 65C

Editorial Leadership Literary Magazine, National Edition

2.0 Units

Continuation of Literary Magazine I, National Edition (EWRT D065A or EWRT D65AX), with emphasis on individual and team leadership in magazine work, including screening, evaluation and selection of fiction, poetry, art and other submissions for national literary journal as well as coordinating subcommittees in copy editing, issue planning, management, production, or design.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
EWRT 65A or EWRT 65AX

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Apply leadership and management principles to plan and publish a national literary magazine.
- Establish and apply specialized aesthetic criteria to selection of material for national literary magazine.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

EWRT 65CX

Editorial Leadership Literary Magazine, National Edition

3.0 Units

Continuation of Literary Magazine I, National Edition (EWRT D065A or EWRT D65AX), with emphasis on individual and team leadership in magazine work, including screening, evaluation and selection of fiction, poetry, art and other submissions for national literary journal as well as coordinating subcommittees in copy editing, issue planning, management, production, or design.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
EWRT 65A or EWRT 65AX

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Apply leadership and management principles to plan and publish a national literary magazine.
- Establish and apply specialized aesthetic criteria to selection of material for national literary magazine.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

EWRT 68A

Literary Magazine I, Student Edition

2.0 Units

Collaborative evaluation and selection of fiction, poetry, photography, drawings, and other literary and artistic work for student edition of literary magazine. Emphasis on layout, design, production, publicity, event planning, and magazine distribution along with soliciting, submission management, manuscript evaluation, and copy editing.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly EWRT D068. and EWRT D068X respectively.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Apply design principles as well as management skills to publish a student literary magazine.
- Establish and apply aesthetic criteria to selection of material for a student literary magazine.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

EWRT 68AX

Literary Magazine I, Student Edition

3.0 Units

Collaborative evaluation and selection of fiction, poetry, photography, drawings, and other literary and artistic work for student edition of literary magazine. Emphasis on layout, design, production, publicity, event planning, and magazine distribution along with soliciting, submission management, manuscript evaluation, and copy editing.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly EWRT D068. and EWRT D068X respectively.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Apply design principles as well as management skills to publish a student literary magazine.
- Establish and apply aesthetic criteria to selection of material for a student literary magazine.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

EWRT 68B
Literary Magazine II, Student Edition

2.0 Units

Continuation of Literary Magazine I, Student Edition (EWRT D068A or EWRT D68AX) with emphasis on genre-specific and specialized work in layout, design, production, publicity, event planning, and magazine distribution along with soliciting, submission management, manuscript selection, screening, and copy editing. Collaborative evaluation of fiction, poetry, photography, drawings, and other literary and artistic work for student edition of literary magazine.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
EWRT 68A or EWRT 68AX

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Establish and apply specialized aesthetic criteria to selection of material for a student literary magazine.
- Apply design principles as well as management skills to publish a student literary magazine.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

EWRT 68BX
Literary Magazine II, Student Edition

3.0 Units

Continuation of Literary Magazine I, Student Edition (EWRT D068A or EWRT D68AX) with emphasis on genre-specific and specialized work in layout, design, production, publicity, event planning, and magazine distribution along with soliciting, submission management, manuscript selection, screening, and copy editing. Collaborative evaluation of fiction, poetry, photography, drawings, and other literary and artistic work for student edition of literary magazine.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
EWRT 68A or EWRT 68AX

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Establish and apply specialized aesthetic criteria to selection of material for a student literary magazine.
- Apply design principles as well as management skills to publish a student literary magazine.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

EWRT 68C
Editorial Leadership Literary Magazine, Student Edition

2.0 Units

Continuation of Literary Magazine I, Student Edition (EWRT D068A or EWRT D68AX), with emphasis on independent and team leadership in magazine organizational processes including layout, design, production, publicity, event planning, and magazine distribution along with soliciting, submission management, manuscript selection, screening, and copy editing. Includes collaborative evaluation of fiction, poetry, photography, drawings, and other literary and artistic work for student edition of literary magazine.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
EWRT 68A or EWRT 68AX

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Apply design principles and leadership skills to publish a student literary magazine.
- Establish and apply specialized aesthetic criteria to selection of material for a student literary magazine.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

EWRT 68CX
Editorial Leadership Literary Magazine, Student Edition

3.0 Units

Continuation of Literary Magazine I, Student Edition (EWRT D068A or EWRT D68AX), with emphasis on independent and team leadership in magazine organizational processes including layout, design, production, publicity, event planning, and magazine distribution along with soliciting, submission management, manuscript selection, screening, and copy

editing. Includes collaborative evaluation of fiction, poetry, photography, drawings, and other literary and artistic work for student edition of literary magazine.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
EWRT 68A or EWRT 68AX

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Apply design principles and leadership skills to publish a student literary magazine.
- Establish and apply specialized aesthetic criteria to selection of material for a student literary magazine.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

EWRT 77
Special Projects in English

1.0 Units

This course includes special reading, writing, or study projects in English as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Dependent on the nature of the project as determined in sections 3 & 4 of the Special Projects Contract.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

EWRT 77X
Special Projects in English

2.0 Units

This course includes special reading, writing, or study projects in English as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Dependent on the nature of the project as determined in sections 3 & 4 of the Special Projects Contract.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

EWRT 77Y
Special Projects in English

3.0 Units

This course includes special reading, writing, or study projects in English as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Dependent on the nature of the project as determined in sections 3 & 4 of the Special Projects Contract.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

EWRT 141
Beginning Poetry Writing

4.0 Units

Development of poetry writing skills through practice and exposure to a variety of poetic forms.

Course Information

Transferability
Not transferable

Student Learning Outcomes

- Demonstrate a creative process in poetry writing.
- Identify and use some technical and stylistic elements of poetry.
- Evaluate the success of one's peers' and one's own poems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

EWRT 200
Fundamentals of Writing

5.0 Units

Practice focused, purposeful writing in several formats to different audiences with a variety of sentence structures responding to, engaging with or inspired by written or visual texts. Edit writing to correct errors in the major conventions of Standard Written English.

Course Information

Transferability
Not transferable

Student Learning Outcomes

- Recognize and generate effective writing at the sentence level.
- Employ a writing process in order to convey focused, developed ideas in paragraph form.
- Approach and interact confidently with a variety of texts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

EWRT 211
Preparatory Writing Skills

5.0 Units

Develops the abilities necessary for college-level writing by introducing students to critical thinking via text-based analysis. Essay construction including thesis statements and paragraph organization and development, as well as focusing on the mechanics of writing, such as sentence-level skills will be covered.

Course Information

Transferability
Not transferable

Student Learning Outcomes

- Demonstrate ability to respond critically to one's own and others' experiences and ideas.
- Develop clear sequential relationship between and central argument/controlling idea and supporting ideas in writing.
- Demonstrate evidence of strong synthesis, argumentation, analysis, and/or problem-solving skills in writing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

F/TV 1
Introduction to Cinematic Arts

4.0 Units

This is an introduction to the close analysis of film and television texts. The course will examine broad questions of form and content, aesthetics and meaning, and history and culture. Covering a wide variety of media, filmmakers, and film movements, the course will explore the diverse possibilities presented by the cinematic art form. Topics include modes of production, narrative and non-narrative forms, visual design, editing, sound, genre, ideology, and critical analysis.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes

- Demonstrate the ability to critically analyze, interpret, and write about film and electronic media using film-specific language.
- Demonstrate visual literacy through the application of the analytical tools of categories, theories, and ideologies to understand the complex role and function of the cinematic arts in society, including representations of class, race/ethnicity, gender, ability, and sexuality.
- Demonstrate the ability to critically analyze film and television as a technology, business, cultural production/cultural artifact, entertainment medium and art form.
- Demonstrate recognition, description and analysis of formal aesthetics elements of the cinematic arts (ie: narrative, mise-en-scene, cinematography, editing, sound).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 1H
Introduction to Cinematic Arts - HONORS

4.0 Units

This is an introduction to the close analysis of film and television texts. The course will examine broad questions of form and content, aesthetics and meaning, and history and culture. Covering a wide variety of media, filmmakers, and film movements, the course will explore the diverse possibilities presented by the cinematic art form. Topics include modes of production, narrative and non-narrative forms, visual design, editing, sound, genre, ideology, and critical analysis. Because this is an honors course, students will be expected to complete extra assignments to gain deeper insight into the discipline of cinematic arts.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Demonstrate the ability to critically analyze, interpret, and write about film and electronic media using film-specific language.
- Demonstrate visual literacy through the application of the analytical tools of categories, theories and ideologies to understand the complex role and function of the cinematic arts in society, including representations of class, race/ethnicity, gender, ability and sexuality.
- Demonstrate the ability to critically analyze film and television as a technology, business, cultural production/cultural artifact, entertainment medium and art form.
- Demonstrate recognition, description and analysis of formal aesthetics elements of the cinematic arts (ie: narrative, mise-en-scene, cinematography, editing, sound).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 2A
History of Cinema (1895-1950)

4.0 Units

A survey of the international development of the motion picture to 1950 as a distinct form of artistic expression, through classic films, notable artists, and key events; an investigation of the aesthetic, technological, economic, and social factors that contributed to the evolution of film; an examination of the value systems reflected in and shaped by these works from diverse cultures. Expanded topics in historiography, such as problems and approaches to historical film research and analysis will be covered in F/TV D02AW.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Comprehend the historical development of narrative film from 1895 to 1950, including film language and film art.
- Display ability to critically appraise motion pictures from different time periods and parts of the world in aesthetic, technological, economic and socio-historical contexts.
- Distinguish significant genres, movements, film artists and national schools of filmmaking from 1895 to 1950.
- Analyze representations of class, race/ethnicity, gender and sexuality, demonstrating an understanding of the politics of representation learned in class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 2AH
History of Cinema (1895-1950) - HONORS

4.0 Units

A survey of the international development of the motion picture to 1950 as a distinct form of artistic expression, through classic films, notable artists, and key events; an investigation of the aesthetic, technological, economic, and social factors that contributed to the evolution of film; an examination of the value systems reflected in and shaped by these works from diverse cultures. F/TV D2AWH will cover expanded topics in historiography, such as problems and approaches to historical film research and analysis. As an honors course, students will be expected to complete extra assignments to gain deeper insight into the history of cinematic arts.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Comprehend the historical development of narrative film from 1895 to 1950, including film language and film art.
- Display ability to critically appraise motion pictures from different time periods and parts of the world in aesthetic, technological, economic and socio-historical contexts.
- Distinguish significant genres, movements, film artists and national schools of filmmaking from 1895 to 1950.
- Analyze representations of class, race/ethnicity, gender and sexuality, demonstrating an understanding of the politics of representation learned in class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 2AW
History of Cinema (1895-1950)

4.5 Units

A survey of the international development of the motion picture to 1950 as a distinct form of artistic expression, through classic films, notable artists, and key events; an investigation of

the aesthetic, technological, economic, and social factors that contributed to the evolution of film; an examination of the value systems reflected in and shaped by these works from diverse cultures. Expanded topics in historiography, such as problems and approaches to historical film research and analysis will be covered in F/TV D02AW.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Comprehend the historical development of narrative film from 1895 to 1950, including film language and film art.
- Display ability to critically appraise motion pictures from different time periods and parts of the world in aesthetic, technological, economic and socio-historical contexts.
- Distinguish significant genres, movements, film artists and national schools of filmmaking from 1895 to 1950.
- Analyze representations of class, race/ethnicity, gender and sexuality, demonstrating an understanding of the politics of representation learned in class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

F/TV 2AWH

History of Cinema (1895-1950) - HONORS

4.5 Units

A survey of the international development of the motion picture to 1950 as a distinct form of artistic expression, through classic films, notable artists, and key events; an investigation of the aesthetic, technological, economic, and social factors that contributed to the evolution of film; an examination of the value systems reflected in and shaped by these works from diverse cultures. F/TV D2AWH will cover expanded topics in historiography, such as problems and approaches to historical film research and analysis. As an honors course, students will be expected to complete extra assignments to gain deeper insight into the history of cinematic arts.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Comprehend the historical development of narrative film from 1895 to 1950, including film language and film art.
- Display ability to critically appraise motion pictures from different time periods and parts of the world in aesthetic, technological, economic and socio-historical contexts.
- Distinguish significant genres, movements, film artists and national schools of filmmaking from 1895 to 1950.
- Analyze representations of class, race/ethnicity, gender and sexuality, demonstrating an understanding of the politics of representation learned in class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

F/TV 2B

History of Cinema (1950-Present)

4.0 Units

A survey of the international development of the motion picture since 1950 as a distinct form of artistic expression, through classic films, notable artists, and key events; an investigation of the aesthetic, technological, economic, and social factors that contributed to the evolution of cinematic arts; an examination of the value systems reflected in and shaped by these works from diverse cultures. Expanded topics in historiography, such as problems and approaches to historical film research and analysis will be covered in F/TV D02BW.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Comprehend the historical development of narrative film from 1950 to the present, including film language and film art.
- Display ability to utilize critical thinking skills and appraise motion pictures from different time periods and parts of the world in aesthetic, technological, economic and socio-historical contexts.
- Distinguish significant genres, movements, film artists and national schools of filmmaking from 1950 to the present.
- Analyze representations of class, race/ethnicity, gender and sexuality, demonstrating an understanding of the politics of representation learned in class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 2BH

History of Cinema (1950-Present) - HONORS

4.0 Units

A survey of the international development of the motion picture since 1950 as a distinct form of artistic expression, through classic films, notable artists, and key events; an investigation of the aesthetic, technological, economic, and social factors that contributed to the evolution of cinematic arts; an examination of the value systems reflected in and shaped by these works from diverse cultures. F/TV D2BWH will cover expanded topics in historiography, such as problems and approaches to historical film research and analysis. As an honors course,

students will be expected to complete extra assignments to gain deeper insight into the history of cinematic arts.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Comprehend the historical development of narrative film from 1895 to 1950, including film language and film art.
- Display ability to critically appraise motion pictures from different time periods and parts of the world in aesthetic, technological, economic and socio-historical contexts.
- Distinguish significant genres, movements, film artists and national schools of filmmaking from 1895 to 1950.
- Analyze representations of class, race/ethnicity, gender and sexuality, demonstrating an understanding of the politics of representation learned in class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 2BW

History of Cinema (1950-Present)

4.5 Units

A survey of the international development of the motion picture since 1950 as a distinct form of artistic expression, through classic films, notable artists, and key events; an investigation of the aesthetic, technological, economic, and social factors that contributed to the evolution of cinematic arts; an examination of the value systems reflected in and shaped by these works from diverse cultures. Expanded topics in historiography, such as problems and approaches to historical film research and analysis will be covered in F/TV D02BW.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Comprehend the historical development of narrative film from 1950 to the present, including film language and film art.
- Display ability to utilize critical thinking skills and appraise motion pictures from different time periods and parts of the world in aesthetic, technological, economic and socio-historical contexts.
- Distinguish significant genres, movements, film artists and national schools of filmmaking from 1950 to the present.
- Analyze representations of class, race/ethnicity, gender and sexuality, demonstrating an understanding of the politics of representation learned in class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

F/TV 2BWH

History of Cinema (1950-Present) - HONORS

4.5 Units

A survey of the international development of the motion picture since 1950 as a distinct form of artistic expression, through classic films, notable artists, and key events; an investigation of the aesthetic, technological, economic, and social factors that contributed to the evolution of cinematic arts; an examination of the value systems reflected in and shaped by these works from diverse cultures. F/TV D2BWH will cover expanded topics in historiography, such as problems and approaches to historical film research and analysis. As an honors course, students will be expected to complete extra assignments to gain deeper insight into the history of cinematic arts.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Comprehend the historical development of narrative film from 1895 to 1950, including film language and film art.
- Display ability to critically appraise motion pictures from different time periods and parts of the world in aesthetic, technological, economic and socio-historical contexts.
- Distinguish significant genres, movements, film artists and national schools of filmmaking from 1895 to 1950.
- Analyze representations of class, race/ethnicity, gender and sexuality, demonstrating an understanding of the politics of representation learned in class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

F/TV 2C

Contemporary World Cinema

4.0 Units

This course is a critical survey of contemporary world cinema as art, business, technology, and cultural artifact. It provides the critical methodology and practical tools for analyzing and interpreting the work of notable film artists, current international film movements and genres, and transnational and globalized media developments. The F/TV D02CW course will cover

expanded topics in historiography, such as problems and approaches to historical film research and analysis.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Identify significant contemporary films, filmmakers, genres and national cinemas and explain major trends in the international evolution of film as an art form, technology, and industry.
- Demonstrate the ability to analyze and synthesize the narrative, visual and aural language of film.
- Analyze representations of class, race/ethnicity, gender and sexuality, demonstrating an understanding of the politics of representation learned in class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 2CH
Contemporary World Cinema - HONORS

4.0 Units

This course is a critical survey of contemporary world cinema as art, business, technology, and cultural artifact. It provides the critical methodology and practical tools for analyzing and interpreting the work of notable film artists, current international film movements and genres, and transnational and globalized media developments. The F/TV D2CWH course will cover expanded topics in historiography, such as problems and approaches to historical film research and analysis. Because this is an honors course, students will be expected to complete extra assignments to gain a deeper insight into world cinema today.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Identify significant contemporary films, filmmakers, genres and national cinemas and explain major trends in the international evolution of film as an art form, technology, and industry.
- Demonstrate the ability to analyze and synthesize the narrative, visual and aural language of film.
- Analyze representations of class, race/ethnicity, gender and sexuality, demonstrating an understanding of the politics of representation learned in class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 2CW
Contemporary World Cinema

4.5 Units

This course is a critical survey of contemporary world cinema as art, business, technology, and cultural artifact. It provides the critical methodology and practical tools for analyzing and interpreting the work of notable film artists, current international film movements and genres, and transnational and globalized media developments. The F/TV D02CW course will cover expanded topics in historiography, such as problems and approaches to historical film research and analysis.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Identify significant contemporary films, filmmakers, genres and national cinemas and explain major trends in the international evolution of film as an art form, technology, and industry.
- Demonstrate the ability to analyze and synthesize the narrative, visual and aural language of film.
- Analyze representations of class, race/ethnicity, gender and sexuality, demonstrating an understanding of the politics of representation learned in class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

F/TV 2CWH
Contemporary World Cinema - HONORS

4.5 Units

This course is a critical survey of contemporary world cinema as art, business, technology, and cultural artifact. It provides the critical methodology and practical tools for analyzing and interpreting the work of notable film artists, current international film movements and genres, and transnational and globalized media developments. The F/TV D2CWH course will cover expanded topics in historiography, such as problems and approaches to historical film research and analysis. Because this is an honors course, students will be expected to complete extra assignments to gain a deeper insight into world cinema today.

Course Information

General Course Statement(s)

(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Identify significant contemporary films, filmmakers, genres and national cinemas and explain major trends in the international evolution of film as an art form, technology, and industry.
- Demonstrate the ability to analyze and synthesize the narrative, visual and aural language of film.
- Analyze representations of class, race/ethnicity, gender and sexuality, demonstrating an understanding of the politics of representation learned in class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

F/TV 6A
Screenwriting Fundamentals for Film/Video I

4.0 Units

Introduction to screenwriting for film and electronic media. Emphasis on preparing scripts in proper formats, including fundamental technical, conceptual and stylistic issues related to writing fiction and non-fiction scripts for informational and entertainment purposes in film and electronic media. Includes a writing evaluation component as a significant part of the course requirement.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly F/TV D060A.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate a command of story structure, the creation and development of dynamic and original characters.
- Demonstrate a command for writing short and feature-length scripts for fiction and non-fiction films.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 10
Introduction to Electronic Media

4.0 Units

This course surveys the history, aesthetics, technology, and social impacts of electronic media, including film, broadcasting and the Internet. Students will explore the role of government, advertising, audiences, and emerging technologies, their futures, and impacts on global societies.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Students will be able to select, analyze and evaluate competing information to formulate a personal philosophy of media.
- Students will be able to synthesize course concepts into a term paper selected from several topic options.
- Students will be able to hypothesize the future of media in the United States.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 10H
Introduction to Electronic Media - HONORS

4.0 Units

This course surveys the history, aesthetics, technology, and social impacts of electronic media, including film, broadcasting and the Internet. Students will explore the role of government, advertising, audiences, and emerging technologies, their futures and impacts on global societies. Because this is an honors course, the students will be expected to complete extra assignments to gain deeper insight into the mass media.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Students will be able to select, analyze and evaluate competing information to synthesize a personal philosophy of media.
- Students will be able to synthesize course concepts into a term paper selected from several topic options.
- Students will be able to hypothesize the future of media in the United States.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 20
Beginning Video Production

4.0 Units

This course provides an introduction to the theory, terminology, and operation of single-camera video production, including composition and editing techniques, camera operation, portable lighting, video recorder operation, audio control, and basic editing. This course focuses on the aesthetics and fundamentals of scripting, producing, directing on location, postproduction, exhibition, and distribution through the completion of several short video projects.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Apply the creative use of camera, sound, and editing techniques to produce a completed video project.
- Develop the visual storytelling skills needed to take a film idea from concept to realization.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

F/TV 22
Beginning 16mm Motion Picture Production

4.0 Units

This course is an introduction to the production processes of 16mm motion picture film. Topics will include scriptwriting, preproduction, directing techniques, camera operation, and basic cinematography in conjunction with creative picture sound editing. Subjects will be covered through the study and analysis of exemplary motion pictures as well as through a series of filmed student projects.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
F/TV 20

Student Learning Outcomes
- Develop and execute a shooting plan from a production script using film techniques.
- Complete a 1-2 minute film with a multi-layer soundtrack.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.5	7.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	42.0	**Lecture**	84.0
Laboratory	18.0	**Laboratory**	0.0
Total	60.0	**Total**	84.0

F/TV 23
Beginning TV Studio Production

4.0 Units

This course introduces the theory, terminology, and operation of a multi-camera television studio and control room. Topics include studio signal flow, directing, theory and operation of camera and audio equipment, switcher operation, floor direction, and video playback, fundamentals of lighting, graphics, video control, and video recording, and real-time video production.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly F/TV D055A.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Identify and exhibit mastery of crew roles and responsibilties in a television production studio.
- Organize and produce a completed studio television production within a multicamera crew setting.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

F/TV 26
Introduction to Film/Television Directing

4.0 Units

Development and execution of short, single-camera projects focusing on the skill of directing and crafting an actor's performance.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly F/TV D050.)

Prerequisite(s)
F/TV 20

Advisory(ies)
THEA 20A or THEA 80A

Student Learning Outcomes

- Analyze and break down a script for casting and location shooting.
- Evaluate and guide the performance of an actor in a film production.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.5	7.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	42.0	**Lecture**	84.0
Laboratory	18.0	**Laboratory**	0.0
Total	60.0	**Total**	84.0

F/TV 27
Nonlinear Editing

4.0 Units

This course covers the concepts and techniques of nonlinear digital video editing, including organization of the editing process, working in the timeline, audio editing, and basic visual effects. Emphasis will be placed on identifying general principles of film editing as well as different aesthetic techniques for different source material, such as commercials, dialogue scenes, and documentaries.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly F/TV D053.)

Prerequisite(s)
F/TV 20

Student Learning Outcomes

- Demonstrate a professional post-production workflow for nonlinear editing in a film or video.
- Apply techniques and aesthetics of video and audio editing based on the project and format requirements.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.5	7.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	42.0	**Lecture**	84.0
Laboratory	18.0	**Laboratory**	0.0
Total	60.0	**Total**	84.0

F/TV 29
Lighting for Film and Television

4.0 Units

This course is an introduction to the basic principles of studio and location lighting for film, television, animated, and composited production. Aesthetic style and techniques of lighting in professional productions will be analyzed and applied through practical exercises filmed in the sound stage or on location. The focus will be on set-based principles involving basic electricity, lighting instruments, dimming equipment, color, recording media, and grip equipment.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly F/TV D012.)

Prerequisite(s)
F/TV 20

Student Learning Outcomes

- Develop and execute circuit mapping and lighting plot for studio and location shooting.
- Identify and learn to operate safely a variety of different lighting and grip instruments and utilize them for controlled aesthetic effects.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.5	7.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	42.0	**Lecture**	84.0
Laboratory	18.0	**Laboratory**	0.0
Total	60.0	**Total**	84.0

F/TV 30
Location Recording and Sound Design

3.0 Units

This course will explore the art and techniques of audio recording for film and video with an emphasis on preproduction and production in the studio and on location. The aesthetics of design and the technologies of analog and digital audio through the manipulation of sound in the aural and recorded environment will be examined.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly F/TV D063A.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Develop and execute a sound recording plan for indoor and outdoor shooting.
- Identify and operate different microphones and recording equipment.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	30.0	**Lecture**	60.0
Laboratory	18.0	**Laboratory**	0.0
Total	48.0	**Total**	60.0

F/TV 31
Audio Post-Production

3.0 Units

This course covers the concepts and techniques of audio post-production for film and video including nonlinear audio editing, sound effect scoring, foley, cutting sound to picture, and audio mixing.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly F/TV D063B.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Design and produce multiple track audio projects in linear and nonlinear formats.
- Demonstrate the technique of mastering a soundtrack for delivery and importing sounds into a master library.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	30.0	**Lecture**	60.0
Laboratory	18.0	**Laboratory**	0.0
Total	48.0	**Total**	60.0

F/TV 39
Intermediate Digital Film and Video Production

4.0 Units

Principles of digital video in the preproduction and production of a short project using cameras, lighting and sound equipment and post production digital editing and color grading.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly F/TV D051A.)

Prerequisite(s)
F/TV 20

Student Learning Outcomes
- Use and apply advanced digital cinema shooting techniques in a production.
- Develop and execute a production and post production plan for a video/film project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

F/TV 41
Film Genres

4.0 Units

This course provides an analysis of specific film genres such as comedy, film noir, gangster, horror, musical, science fiction, thriller, war, or Western, within global, historical, social, cultural, industrial, and aesthetic contexts. The genre studied changes each quarter (see subtitle in the quarterly schedule of classes).

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Identify and describe the evolution of the genre in motion pictures and its role in national and international film history.
- Apply an analytical approach learned in class to examine the dominant narrative, visual and aural conventions of films within a specific genre.
- Analyze generic representations of class, race/ethnicity, gender and sexuality, demonstrating an understanding of the politics of representation learned in class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 42
National Cinemas

4.0 Units

Analysis of selected national cinemas in terms of major periods, themes and formal parameters, and in relation to both national and international cultural histories. The national cinema studied changes each quarter (see subtitle in quarterly class schedule).

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Describe the concept of "national cinema," identify significant films and filmmakers, and explain major trends in the evolution of film within a national cinema.
- Develop and utilize critical thinking skills to appraise motion pictures produced within the national cinema in aesthetic, technological, economic and socio-historical contexts.
- Analyze representations of class, race/ethnicity, gender and sexuality, demonstrating an understanding of the politics of representation learned in class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 43

Film Artists

4.0 Units

Analysis of the works of specific film artists, such as directors Alfred Hitchcock or Spike Lee; or analysis of the works of artists practicing a specific film craft, such as screenwriting, acting, cinematography or editing. The topic studied changes each quarter (see subtitle in quarterly schedule of classes).

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Identify the film artist's contributions to the evolution of film and video as an art, technology, business and form of popular culture.
- Apply a critical methodology based on concepts of authorship, learned in class, to examine the works of a specific film artist.
- Analyze representations of class, race/ethnicity, gender and sexuality in the cinema of the film artist, demonstrating an understanding of the politics of representation learned in class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 44A

16mm/35mm Film Production I

4.0 Units

Pre-production, laboratory procedures, interior and exterior lighting techniques, color cinematography for 16mm and 35mm film production. Emphasis on individual student projects.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly F/TV D052A.)

Prerequisite(s)
F/TV 22

Student Learning Outcomes

- Develop and implement a shooting schedule from a production script.
- Identify the different film stocks used for different shooting situations and how they affect the image.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.5	7.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	42.0	**Lecture**	84.0
Laboratory	18.0	**Laboratory**	0.0
Total	60.0	**Total**	84.0

F/TV 44B

16mm/35mm Film Production II

4.0 Units

Advanced production and post-production techniques including sync sound production and editing, music editing, and preparing for the final mix in 16mm and 35mm film production. Emphasis on individual student projects.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly F/TV D052B.)

Prerequisite(s)
F/TV 44A

Student Learning Outcomes

- Develop and implement a post-production plan based on a 16/35mm film project.
- Complete a 16/35mm film project with finished picture edit and multi-track audio mix.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.5	7.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	42.0	**Lecture**	84.0
Laboratory	18.0	**Laboratory**	0.0
Total	60.0	**Total**	84.0

F/TV 45

History of Experimental Film/Video

4.0 Units

This is a survey of experimental styles and practices in film and video, addressing the artists and historical developments of these media formats. The course situates experimental film and video work within the larger contexts of artistic traditions as well as networks of production and reception.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Comprehend the historical development of experimental film and video, including the identification of major international artists, styles, and works.
- Develop and utilize critical thinking skills in understanding experimental film and video works from around the world, demonstrating this in four ways: aesthetic, technological, economic and social/political.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours | Course Out-of-Class Hours

Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 48S
Film/Television Production Workshop

1.0 Units

This course is a production workshop in which the student works independently, or with a crew, to produce a film or video to refine skills in camera, lighting, directing, post-production, and other related skills. The number of units is dependent on the production.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
F/TV 20

Student Learning Outcomes
- Apply skills in directing, camera, sound and/or editing in the production of an independent film/video project.
- Work collaboratively with a film/video crew to produce a finished project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

F/TV 48T
Film/Television Production Workshop

2.0 Units

This course is a production workshop in which the student works independently, or with a crew, to produce a film or video to refine skills in camera, lighting, directing, post-production, and other related skills. The number of units is dependent on the production.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
F/TV 20

Student Learning Outcomes
- Apply skills in directing, camera, sound and/or editing in the production of an independent film/video project.
- Work collaboratively with a film/video crew to produce a finished project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

F/TV 48U
Film/Television Production Workshop

3.0 Units

This course is a production workshop in which the student works independently, or with a crew, to produce a film or video to refine skills in camera, lighting, directing, post-production, and other related skills. The number of units is dependent on the production.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
F/TV 20

Student Learning Outcomes
- Apply skills in directing, camera, sound and/or editing in the production of an independent film/video project.
- Work collaboratively with a film/video crew to produce a finished project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

F/TV 48V
Film/Television Production Workshop

4.0 Units

This course is a production workshop in which the student works independently, or with a crew, to produce a film or video to refine skills in camera, lighting, directing, post-production, and other related skills. The number of units is dependent on the production.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
F/TV 20

Student Learning Outcomes
- Apply skills in directing, camera, sound and/or editing in the production of an independent film/video project.
- Work collaboratively with a film/video crew to produce a finished project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

F/TV 56A

Introduction to Visual Effects and Color Grading

4.0 Units

Overview of finishing steps in modern, digital post-production. Film and television-based usage of Adobe After Effects in practical applications such as titling and composite work will be covered along with color grading in DaVinci Resolve.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
F/TV 20

Student Learning Outcomes

- Demonstrate finishing procedures needed to complete a project in a modern digital workflow.
- Identify uses for and develop techniques to achieve effective, project-specific motion graphics and visual effects.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.5	7.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	42.0	**Lecture**	84.0
Laboratory	18.0	**Laboratory**	0.0
Total	60.0	**Total**	84.0

F/TV 57A

Nonfiction Workshop I: The Documentary

4.0 Units

This course will cover the nonfiction concepts, principles, and techniques as related to the production of a documentary video. The historical roots in nonfiction film and television with an emphasis on production work in documentary formats will be examined.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
F/TV 20

Student Learning Outcomes

- Research and write a proposal for a documentary production.
- Demonstrate and apply interviewing techniques in a documentary shoot with proper lighting and sound recording.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.5	7.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	42.0	**Lecture**	84.0
Laboratory	18.0	**Laboratory**	0.0
Total	60.0	**Total**	84.0

F/TV 57B

Nonfiction Workshop II: The Documentary

4.0 Units

This course covers advanced techniques in nonfiction film and television, including cinematography, sound, lighting, postproduction editing, and directing. An analysis of the modern film and television documentary with an emphasis on production of a completed documentary video will also be included.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
F/TV 57A

Student Learning Outcomes

- Research and write a proposal and shooting plan for a documentary production.
- Apply advanced production techniques in the completion of a documentary project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.5	7.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	42.0	**Lecture**	84.0
Laboratory	18.0	**Laboratory**	0.0
Total	60.0	**Total**	84.0

F/TV 58S

Film/Television Production Workshop

1.0 Units

This course is a production workshop in which the student works independently, or with a crew, to produce a film or video to refine skills in camera, lighting, directing, post-production, and other related skills. The number of units is dependent on the production.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes

- Apply skills in directing, camera, sound and/or editing in the production of an independent film/video project.
- Work collaboratively with a film/video crew to produce a finished project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

F/TV 58T

Film/Television Production Workshop

2.0 Units

This course is a production workshop in which the student works independently, or with a crew, to produce a film or video to refine skills in camera, lighting, directing, post-production,

and other related skills. The number of units is dependent on the production.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Apply skills in directing, camera, sound and/or editing in the production of an independent film/video project.
- Work collaboratively with a film/video crew to produce a finished project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

F/TV 58U
Film/Television Production Workshop

3.0 Units

This course is a production workshop in which the student works independently, or with a crew, to produce a film or video to refine skills in camera, lighting, directing, post-production, and other related skills. The number of units is dependent on the production.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Apply skills in directing, camera, sound and/or editing in the production of an independent film/video project.
- Work collaboratively with a film/video crew to produce a finished project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

F/TV 58V
Film/Television Production Workshop

4.0 Units

This course is a production workshop in which the student works independently, or with a crew, to produce a film or video to refine skills in camera, lighting, directing, post-production, and other related skills. The number of units is dependent on the production.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Apply skills in directing, camera, sound and/or editing in the production of an independent film/video project.
- Work collaboratively with a film/video crew to produce a finished project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

F/TV 59
Role of the Media Producer

4.0 Units

Students in this course will learn about the roles and responsibilities of the media producer, and the skills and knowledge required in successfully undertaking a project from conception through realization and exhibition. This includes developing a production proposal, target audience analysis, working with SAG, casting, location scouting, production scheduling, budgeting, understanding copyrights, creating festival strategies, and a distribution plan.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
F/TV 6A

Student Learning Outcomes
- Develop and write a production proposal, including development, audience analysis, location scouting, production schedule, and budgeting.
- Develop a plan for distribution of a film/video.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 60B
Screenwriting Fundamentals for Film/Video II

4.0 Units

Second level course in screenwriting; examination of structure and characterization in dramatic narrative; consideration of approach and structure in nonfiction; emphasis on development and writing of original short and feature-length screenplays.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
F/TV 6A

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate a command of advanced principles of story structure, dialogue, and character development.
- Demonstrate a command for writing short scripts for fiction and non-fiction films.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 60C
Screenwriting Fundamentals for Film/Video III

4.0 Units

Third level course in screenwriting for film, video, and electronic media; further practice in the development, writing, and revision of original short and feature-length screenplays.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
F/TV 60B

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate a command of writing subtext, three-dimensional characters, and riveting scenes.
- Demonstrate a command for writing short scripts for fiction and non-fiction films.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 64A
Advanced Screenwriting Workshop I

4.0 Units

Fictional screenwriting geared toward the planning, outlining and structuring of an original three-act feature-length fiction screenplay and the writing of the first act.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
F/TV 60B or F/TV 60C

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate a command of generating, planning, and outlining a feature-length narrative fiction screenplay through logline, beat sheet, scene list.
- Write the first act of a three-act feature-length fiction screenplay.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 64B
Advanced Screenwriting Workshop II

4.0 Units

An intensive seminar in writing feature-length fiction screenplays. Practice in the development and completion of a three-act narrative script focusing on plot, character development, arcs, turning points and journeys.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
F/TV 64A

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate a command of all advanced principles of screenwriting in the writing and completing of the second and third acts of a three-act feature-length narrative fiction screenplay.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 64C
Advanced Screenwriting Workshop III

4.0 Units

An intensive workshop in the rewriting of feature-length fiction screenplays; strengthening the plot, character development, arcs, turning points and journeys; preparing the material for submission to the marketplace; pitching and strategies in breaking into the entertainment industry will be discussed.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
F/TV 64B

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate a command of all advanced principles of screenwriting in the critique of other students' completed feature-length screenplays.
- Rewrite the feature-length screenplay and prepare to enter it in the marketplace.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 65
Current Practices in the Film/Video Profession

4.0 Units

Current creative, technical, economic and employment conditions in film and video from the perspective of film and television working professionals.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Analyze the film and video industries practices and operations.
- Analyze first-hand testimony from working professionals on the various creative, management and craft roles and skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 66A
Basic Techniques of Animation: Stop Motion

3.0 Units

Techniques of three-dimensional stop-motion and non-cel animation, as applied to a variety of art media (puppet, clay, pixillation, shadow puppets and other under-camera art media). Principles of movement and timing, lighting and cinematography, and multiplane dimensionality, with application to both computer and traditional drawn animation.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Design the movement and timing for sequences of character animation using stop-motion production techniques and/or a wide variety of other "under camera" animation methodologies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	30.0	**Lecture**	60.0
Laboratory	18.0	**Laboratory**	0.0
Total	48.0	**Total**	60.0

F/TV 67A
Principles of Animation: 2D Media

4.0 Units

An introduction to the basic principles for creating convincing and expressive animated motion. Students will use traditional and digital hand-drawn animation techniques to learn and apply these principles, which are fundamental to all forms of animation, including 3D animation and motion graphics.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly F/TV D069A.)

Advisory(ies)
ARTS 4A

Student Learning Outcomes
- Design realistic and expressionistic animated movements.
- Create drawn sequences of character and effects animation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

F/TV 68A
Sound for Animation

3.0 Units

An intermediate level animation course introducing techniques for creating animation synced to music, voice, and sound effects. Through practical exercises and projects, students will learn and apply techniques for animation planning, staging, and lip sync, as well as basic principles for designing, recording, and mixing their own soundtracks.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
F/TV 67A

Advisory(ies)
F/TV 20

Student Learning Outcomes
- Design and edit soundtracks for animated films, containing effects ambiences and atmospheric musical scores.
- Synchronize voice tracks to animated characters and edit music cues to animated sequences.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	30.0	**Lecture**	60.0
Laboratory	18.0	**Laboratory**	0.0
Total	48.0	**Total**	60.0

F/TV 70A
The Storyboard and Visual Development for Animation

3.0 Units

Techniques of animation pre-production as applied to story development, character design, storyboards, environment, and prop design, with application to both digital and traditional rendering techniques.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
F/TV 67A

Student Learning Outcomes
- Apply principles of cinematography and visual storytelling using storyboard panels.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	30.0	**Lecture**	60.0
Laboratory	18.0	**Laboratory**	0.0
Total	48.0	**Total**	60.0

F/TV 71G
Introduction to 3D Computer Animation: Modeling

4.0 Units

Techniques of three-dimensional model creation as applied to objects, characters and environments. Principles of modeling, surface mapping, lighting and rendering with application to 3D computer animation.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Create a cinematic still, displaying an understanding of modeling, texturing and lighting in addition to composition for storytelling.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

F/TV 71H
Introduction to 3D Computer Animation: Character Motion

4.0 Units

Techniques of three-dimensional animation as applied to objects and characters. Application of classic animation principles of movement and timing to 3D computer animation.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly F/TV D082A.)

Prerequisite(s)
F/TV 66A or F/TV 67A; and F/TV 71G

Student Learning Outcomes
- Create a series of believable movements by a computer-animated character utilizing a digital prop.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

F/TV 72G
Animated Film Pre-Production Workshop

4.0 Units

Development of the initial concept stages of a short personal film in any style of animation, e.g. drawn, puppet or computer, that can be used as a demo reel in a professional portfolio. Creation of storyboards, set designs, character models, voice tracks and animatics.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
F/TV 68A and F/TV 70A; and F/TV 66A or D067A or D082A (dependent on type of animation

production to be developed)

Student Learning Outcomes

- Students will create the pre-production visual and audio components of a short personal animated film.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

F/TV 72H
Animated Film Production Workshop

4.0 Units

Execution of the principal production stages of a short personal film in any style of animation, e.g. drawn, puppet or computer, that can be used as a demo reel in a professional portfolio. Creation of character and effects animation, models for sets and props, and, if needed, synchronized musical cues.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
F/TV 72G

Student Learning Outcomes

- Students will create the production visual and audio components of a short personal animated film.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

F/TV 72J
Animated Film Post-Production Workshop

4.0 Units

Creation of the final production stages of a short personal film in any style of animation, e.g. drawn, puppet or computer, that can be used as a demo reel in a professional portfolio. Completion of character animation. Editing and compositing of picture tracks, sound effects and musical score. Investigation of career options and marketing strategies as they pertain to each student's project. Formulation of portfolios and demo reels.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
F/TV 72H

Student Learning Outcomes

- Students will create the post-production visual and audio components of a short personal animated film.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

F/TV 75G
History of Animation (1900-Present)

4.0 Units

An international survey of the historical development of the animated film, from its origins to a contemporary art form, with emphasis on the contributions of Fleischer, Disney, Warner Bros., Zegreb, Studio Ghibli, and National Film Board of Canada, as well as many important independent artists; an investigation of the aesthetic, technological, economic, and social factors that contributed to the form; an examination of the value systems reflected in and shaped by works from diverse cultures.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Identify and describe the development of the animated short film from 19th century pre-cinematic devices to the present, noting its role in international film history.
- Analyze the formal evolution of the animated short film, including the development of aesthetic elements such as narrative structure, art direction, camera language, sound design and editing styles.
- Refine and employ critical thinking skills in aesthetic, technological and socio-political contexts to understand animated films produced in various historical eras and geographic regions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 75K
Japanese Animation

4.0 Units

An examination of the post-1960's evolution of animated films in Japan, a national cinema famed for its range of subject matter and outstanding graphics. Provides a critical methodology for analysis of exemplary and influential works by distinguished artists, writing

collectives and production studios from aesthetic, sociopolitical, economic and technological perspectives.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Identify and explain significant trends in the evolution of animation as an art form within the Japanese national cinema, as well as major contributions by individual directors and studios, from aesthetic, sociopolitical, economic and technological perspectives.
- Refine and employ critical thinking skills to appraise the narrative, visual and aural elements of motion pictures from different time periods within the Japanese national cinema.
- Analyze representations of race and ethnicity, gender and sexuality in the context of their historical period, demonstrating an understanding of the politics of representation and the techniques of propaganda learned in class.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

F/TV 78W

Special Topics in Film Studies

1.0 Units

Concentrated investigation of an influential film artist, studio, national cinema, genre, movement or historical period. The topic studied is different for each section of this course and may include Bay Area film festivals or events (see course note in quarterly schedule of classes).

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Analyze the various creative, craft and business aspects of the current film, television and digital media industry through screenings, events, and visits from working professionals.
- Apply an analytical approach learned in class to examine a screenplay and/or the narrative, visual and aural elements of a motion picture.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

F/TV 78X

Special Topics in Film Studies

2.0 Units

Concentrated investigation of an influential film artist, studio, national cinema, genre, movement or historical period. The topic studied is different for each section of this course and may include Bay Area film festivals or events (see course note in quarterly schedule of classes).

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Analyze the various creative, craft and business aspects of the current film, television and digital media industry through screenings, events, and visits from working professionals.
- Apply an analytical approach learned in class to examine a screenplay and/or the narrative, visual and aural elements of a motion picture.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

F/TV 92

Special Topics: Industry Professionals and Practices

1.0 Units

This course is an investigation into techniques and procedures used by industry professionals in a specific aspect of media production. Topics will vary by quarter and will be predetermined by the guest artist or faculty member.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes

- Examine and understand the professional contributions of visiting film and video artists.
- Analyze first-hand testimony from working professionals on the various creative, management and craft roles in film and how they relate to the student's own experiences.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0

Total	12.0	**Total**	24.0

F/TV 98G

Fiction Workshop (The Writer, Producer, Director)

3.0 Units

This is an advanced workshop course in the writing, producing or directing of complex scenes or multiple scene works of narrative/dramatic film or video. Emphasis will be placed on working as a team in a class-wide collaborative project.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
F/TV 20

Student Learning Outcomes
- Assume the role of the writer, producer or director of a television or film project and carry it to completion.
- Demonstrate interpersonal skills and leadership qualities in working collaboratively on a crew-based project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

F/TV 98H

Fiction Workshop (The Technical Crew)

3.0 Units

This is an advanced workshop course in cinematography, lighting, art direction, sound recording, and other craft skills essential to the production of narrative/dramatic film and video projects. Emphasis will be placed on working as a team in a class-wide collaborative project.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
F/TV 20

Student Learning Outcomes
- Assume the role of camera, sound, gaffer, or grip on a television or film project.
- Demonstrate interpersonal skills in working collaboratively on a crew-based project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

F/TV 98J

Fiction Workshop (Editing/Post Production)

3.0 Units

This is an advanced workshop course in the post-production phase, including elements of picture and sound editing and sound design for narrative/dramatic film and video projects. Emphasis will be placed on working as a team in a class-wide collaborative project.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
F/TV 27

Student Learning Outcomes
- Assume the role of editor or sound design on a television or film project.
- Develop a post-production plan for a video or film project.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

FREN 1

Elementary French (First Quarter)

5.0 Units

Introduction to the language and cultures of the French-speaking countries. Basic speaking, listening, reading and writing of French will be introduced and practiced within a cultural framework. Emphasis will be on language as an expression of culture.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate a working command of essential vocabulary and language structures necessary to request and provide, orally and in writing, basic/simple information relating to high-frequency situations in familiar contexts such as greetings, introductions, leave-taking, description of family members, daily activities and hobbies, expression of (dis)likes and future plans.
- Derive meaning from short, simple texts on familiar topics, relying on contextual clues to extract the gist and some detail.
- Compose comprehensible, simple phrases or sentences about familiar topics to reflect a working command of core vocabulary and language structures.
- Demonstrate a cursory grasp of social protocols and contributions of French-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

FREN 2
Elementary French (Second Quarter)

5.0 Units

Further development of material presented in FREN D001. Continuation of introduction to the language and cultures of the French-speaking countries. Basic speaking, listening, reading and writing of French will be introduced and practiced within a cultural framework. Emphasis will be on language as an expression of culture.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
FREN 1 (equivalent to one year of high school French) or equivalent

Student Learning Outcomes
- Demonstrate a greater working command of essential vocabulary and language structures necessary to request and provide, orally and in writing, an increasing range of basic/simple information relating to high-frequency situations in familiar contexts such as expressing desire, ability and obligation, expressing negation, narration of past events.
- Derive meaning from short, simple texts on familiar topics, relying on contextual clues to extract the gist and an increasing amount of detail.
- Compose comprehensible, simple sentences about familiar topics to reflect a greater working command of core vocabulary and language structures.
- Demonstrate a deeper grasp of social protocols and contributions of French-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

FREN 3
Elementary French (Third Quarter)

5.0 Units

Further development of material presented in FREN D001. and FREN D002. Completion of introduction to the language and cultures of the French-speaking countries. Basic speaking, listening, reading and writing of French will be introduced and practiced within a cultural framework. Emphasis will be on language as an expression of culture.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
FREN 2 (equivalent to two years of high school French) or equivalent

Student Learning Outcomes
- Demonstrate a somewhat consistent working command of essential vocabulary and language structures necessary to request and provide, orally and in writing, a more complex/abstract range of information relating to high-frequency situations in familiar contexts such as nature and environment, physical and mental wellness, subjective statements of advice, doubt, expectation, (dis)approval, and hypothetical scenarios.
- Derive meaning from longer, simple texts on familiar topics, relying on contextual clues to extract main ideas and supporting details.
- Compose comprehensible, more complex sentences about familiar topics to reflect a somewhat consistent working command of core vocabulary and language structures.
- Demonstrate an increasingly accurate grasp of social protocols and contributions of French-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

FREN 4
Intermediate French (First Quarter)

5.0 Units

Reading and discussion of texts dealing with the literature, arts, geography, history and culture of the French-speaking world. Review of the linguistic functions and grammar structures of first-year French. Development of reading, writing, speaking and listening skills at the first intermediate level.

Course Information

Transferability
Transferable to both UC and CSU

Student Learning Outcomes
- Demonstrate an increasingly consistent command of essential vocabulary and language structures necessary to request and provide, orally and in writing, an expanding range of somewhat sophisticated information such as summaries, comparisons and reactions to subtitled movies, transcribed broadcasts of songs, magazines, newspapers, and web sites.
- Derive meaning from longer texts of increasing complexity, relying less on contextual clues to extract main ideas and supporting details, and to interpret some subtleties of the text.
- Compose comprehensible, paragraph-level discourse about familiar topics to reflect an increasingly consistent command of vocabulary and language structures.
- Demonstrate an increasingly accurate grasp of the subtleties in the idiosyncracies of French-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

FREN 5
Intermediate French (Second Quarter)

5.0 Units

Reading and discussion of texts dealing with the literature, arts, geography, history and culture of the French-speaking world. Review of the linguistic functions and grammar

structures of first-year French. Development of reading, writing, speaking and listening skills at the second intermediate level.

Course Information

Transferability
Transferable to both UC and CSU

Student Learning Outcomes

- Demonstrate a somewhat sustained command of essential vocabulary and language structures necessary to spontaneously request and provide, orally and in writing, a greater range of more sophisticated information such as points of view based on exposure to and analysis of audiovisual, printed, and electronic media, description and narration in any tense.
- Derive meaning from texts of greater sophistication, to interpret an expanding range of subtleties of the structure and content of the text.
- Compose extended, paragraph-level discourse about familiar topics to reflect a somewhat sustained command of vocabulary and language structures.
- Demonstrate a noticeably accurate grasp of the subtleties in the idiosyncracies of French-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

FREN 6
Intermediate French (Third Quarter)

5.0 Units

Reading and discussion of texts dealing with the literature, arts, geography, history and culture of the French-speaking world. Review of the linguistic functions and grammar structures of first-year French. Development of reading, writing, speaking and listening skills at the third intermediate level.

Course Information

Transferability
Transferable to both UC and CSU

Student Learning Outcomes

- Demonstrate a sustained command of essential vocabulary and language structures necessary to spontaneously and accurately request and provide, orally and in writing, about a wide variety of topics such as socioeconomic and political issues, literature, expressions of humor, hypothetical and contrary-to-fact (present, past and future) situations.
- Derive meaning from increasingly abstract texts, to interpret a wide range of subtleties of the structure and content of the text.
- Compose lengthier and more accurate discourse about familiar topics to reflect a sustained command of vocabulary and language structures.
- Demonstrate a steady grasp of the subtleties in the idiosyncracies of French-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

GEO 1
Physical Geography

4.0 Units

An introduction to the basic physical elements of geography and the diverse physical environment in which we live. Topics include the global patterns of weather and climate, landforms, soils and vegetation along with human modification of natural environments. The geographic tools used to explore these topics include maps, GPS, remote sensing and Geographic Information Systems (GIS).

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)

- EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL D005.
- MATH 210 or equivalent.

Student Learning Outcomes

- Demonstrate understanding of the scientific method by identifying theories, evidence and hypotheses to explain earth processes and the impact of humans on the environment.
- Explain the causes of seasonal changes and differentiate between seasons in the Northern and Southern Hemispheres.
- Synthesize and apply weather and climate variables.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

GEO 4
Cultural Geography

4.0 Units

The location of people and activities throughout the world and understanding the reasons for their distribution will be examined. Topics covered include population and migration, human-environment relationships, geographies of language, religion, race and ethnicity, economic activities, political organization and settlement patterns including the urban environment.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)

- EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL D005.
- MATH 210 or equivalent.

Student Learning Outcomes

- Map global variations in human cultures and analyze the origins and diffusion of those cultures.
- Analyze global demographic trends and patterns and their relation to other elements of culture.
- Apply knowledge of cultural differences and resource distribution to possible solutions of global, regional and local conflicts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

GEO 5
A Geography of California

4.0 Units

An exploration of California's diverse physical landscapes (land forms, climate, soil and resources) and analyzes its cultural landscapes created by human transformation of the environment through economic activities such as agriculture, mining, trade, industry and urbanization. Examines the remarkable physical and cultural regional differences within California. A study in the wealth of diversity of California's peoples while investigating the more disturbing aspects of discrimination and exploitation of various groups based on race, ethnicity, class and gender.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Identify California's geographic provinces, appraise their significance and investigate their interconnectedness.
- Analyze geographic patterns of California's diverse population.
- Critically evaluate the impact of California's modern economic activities on the physical and/or cultural environments.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

GEO 10
World Regional Geography

4.0 Units

An introduction to the major distinctive regions of the world; their natural environment, people, resources, agriculture, manufacturing, trade, cities and the problems relating to contemporary society in each of the regions. Understanding the increasing interdependencies among and between regions.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
- EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL D005.
- MATH 210 or equivalent.

Student Learning Outcomes
- Identify and apply geographic themes to describe the major geographic regions of the world.
- Explain and analyze the interaction and interdependence of physical and human landscapes in major geographic realms.
- Demonstrate understanding of the dynamics of population change, resource distribution, global economics and culture, and political conflicts in designated regions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

GEOL 10
Introductory Geology

5.0 Units

Analysis and description of the composition, structure, and development of the earth's external and internal features and the geologic processes responsible for their origin and evolution. Examination of the concepts and principles upon which geologic knowledge is based.(A one-day field trip is required, each student can choose either Saturday or Sunday.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Apply the principles of scientific methodology to evaluate hypotheses on how the earth works as an integrated system.
- Use data and observations to track and predict changes in the Earth system resulting from dynamic Earth Processes.
- Use observations from the crust and lithosphere of the Earth to determine geologic history at hand-sample, outcrop, local, and regional scales.
- Apply scientific methodology and geologic principles to analyze the impact of the Earth system on humanity, from specific natural hazards and the availability, use, and distribution of Earth resources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

GEOL 20
General Oceanography

4.0 Units

An introduction to the physical environment of the ocean. Origin and evolution of ocean basins; sea-floor morphology; origin, distribution, historical record, and economic significance of marine sediments; ocean currents, climate and the ocean system, waves, tides, and changing sea level; beaches, shorelines, and coastal processes; marine resources, pollution, and human impacts on the oceans.(One Saturday field trip is required.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Student Learning Outcomes

- Apply the principles of scientific methodology to test hypotheses as to how the Earth's oceans work as an integrated system.
- Use observations and data to characterize the dynamic Earth processes that act to shape the ocean floor and analyze the record of these processes within marine sediments and oceanic crust.
- Analyze the dynamic movement of the water column of the oceans, through an application of the physical principles of ocean currents, waves, and tides and their effect on coastal systems and processes.
- Apply scientific methodology and the principles of oceanography to analyze the impact of the ocean system on humanity, from specific natural hazards and the availability, use, and distribution of ocean resources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

GERM 1

Elementary German (First Quarter)

5.0 Units

This course is an introduction to the language and cultures of the German-speaking countries. Basic speaking, listening, reading and writing of German will be practiced within a cultural framework. Emphasis will be on language as an expression of culture and include language laboratory practice to reinforce pronunciation, grammar, syntax and simple conversation.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate a consistent working command of core vocabulary and language structures necessary to communicate, orally and in writing, and to provide basic/simple information relating to high-frequency situations in familiar contexts.
- Comprehend short, simple texts on familiar topics, relying on contextual clues to extract the gist and some detail.
- Compose comprehensible, simple phrases or sentences about familiar topics to reflect a consistent working command of essential vocabulary and language structures.
- Demonstrate a cursory grasp of cultural contributions and social phenomena of German-speaking world, by analyzing and comparing those to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

GERM 2

Elementary German (Second Quarter)

5.0 Units

This course expands on the material presented in GERM D001., with a continuation of the introduction to the language and cultures of the German-speaking countries. Basic speaking, listening, reading and writing of German will be practiced within a cultural framework. Emphasis will be on language as an expression of culture with language laboratory practice to reinforce pronunciation, grammar, and syntax.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
GERM 1 (equivalent to one year of high school German) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate a greater working command of essential vocabulary and language structures necessary to request and provide, orally and in writing, an increasing range of basic/simple information relating to high-frequency situations in familiar contexts (such as free-time activities, vacationing plans, traveling etc.).
- Comprehend short, simple texts on familiar topics, relying on contextual clues to extract the gist and an increasing amount of details.
- Compose comprehensible, simple sentences about familiar topics to reflect a greater working command of core vocabulary and language structures.
- Demonstrate a cursory grasp of cultural contributions and social phenomena of German-speaking world, by analyzing and comparing those to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

GERM 3

Elementary German (Third Quarter)

5.0 Units

This course expands on the material presented in GERM D001. and GERM D002. and completes the introduction to the language and cultures of German-speaking countries. Basic speaking, listening, reading and writing of German will be practiced within a cultural framework. Emphasis will be on language as an expression of culture with language laboratory practice to reinforce pronunciation, grammar, and syntax.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
GERM 2 (equivalent to two years of high school German) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate a somewhat consistent working command of essential vocabulary and language structures necessary to communicate in real-life contexts and to request and provide, orally and in writing, a more complex/abstract range of information relating to high-frequency situations in familiar contexts.
- Derive meaning from longer, simple texts of various genres on familiar topics, relying on contextual clues to extract main ideas and supporting details.
- Compose comprehensible, more complex sentences about familiar topics and individual viewpoints to reflect a somewhat consistent working command of core vocabulary and language structures.
- Demonstrate an increasing ability to reflect on cultural products, practices, and perspectives of the German-speaking world, leading to the development of cultural sensitivity.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

GERM 4
Intermediate German (First Quarter)

5.0 Units

This course develops students' reading, writing, speaking, and listening skills at the first intermediate level. Reading and discussion of texts dealing with the literature, arts, history, geography and culture of the German-speaking world are included in the course, as well as a review and expansion of the linguistic functions and grammar structures of first-year German.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
GERM 3 (equivalent to three years of high school German) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate an increasingly consistent command of essential vocabulary and language structures necessary to request and provide, orally and in writing, an expanding range of somewhat sophisticated information.
- Derive meaning from longer texts of increasing complexity - relying less on contextual clues - to extract main ideas and supporting details, and to interpret some subtleties of the text.
- Compose comprehensible, paragraph-level discourse about familiar topics to reflect an increasingly consistent command of vocabulary and language structures.
- Demonstrate an increasingly accurate grasp of the subtleties of German-speaking cultures and progressively develop cultural sensitivity, by analyzing and comparing these cultures to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

GERM 5
Intermediate German (Second Quarter)

5.0 Units

Continuation of GERM D004. Read and discuss texts dealing with geography, history, literature, social, and cultural practices of the German-speaking world. Review the linguistic functions and grammatical structures of intermediary German. Speaking, listening, reading, and writing of second-quarter intermediate level of German will be introduced and practiced within a cultural framework.

Course Information

Transferability
Transferable to both UC and CSU

Student Learning Outcomes

- Demonstrate a somewhat sustained command of vocabulary and language structures necessary to spontaneously request and provide, orally and in writing, a greater range of more sophisticated information.
- Derive meaning from texts of greater sophistication, to interpret an expanding range of subtleties of the structure and content of the text.
- Compose extended paragraph-level discourse about familiar topics to reflect a somewhat sustained command of vocabulary and language structures.
- Demonstrate a noticeably accurate grasp of the subtleties in the idiosyncracies of German-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

GERM 6
Intermediate German (Third Quarter)

5.0 Units

Continuation of GERM D005. Read, discuss and analyze texts dealing with arts, geography, history, literature, social and cultural practices of the German-speaking world. Review the linguistic functions and grammatical structures of intermediary German. Speaking, listening, reading, and writing of third-quarter high intermediate level of German will be introduced and practiced within a cultural framework.

Course Information

Transferability
Transferable to both UC and CSU

Student Learning Outcomes

- Demonstrate a sustained command of vocabulary and language structures necessary to spontaneously and accurately request and provide information, orally and in writing, about a wide variety of topics.
- Derive meaning from increasingly abstract texts, to interpret a wide range of subtleties of the structure and of the text.

- Compose lenghtier and more accurate discourse about familiar topics to reflect a sustained command of vocabulary and language structures.
- Demonstrate a steady grasp of the subtleties in the idiosyncracies of German-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

HIST 3A
World History from Prehistory to 750 CE

4.0 Units

Starting from the late prehistoric times and covering to 750 Common Era (CE), students will explore the world's history of ancient peoples, cultures, and civilizations. This course provides an interdisciplinary, multi-perspective view of world history, using a thematic approach and offering a balanced, representative and inclusive sampling of the world's cultures from Africa, the Americas, Asia, Europe, and Oceania.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Demonstrate and apply knowledge of the earliest World history through 750 CE to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret primary documents from the earliest World history through 750 CE to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 3AH
World History from Prehistory to 750 CE - HONORS

4.0 Units

Starting from the late prehistoric times and covering to 750 Common Era (CE), students will explore the world's history of ancient peoples, cultures, and civilizations. This course provides an interdisciplinary, multi-perspective view of world history, using a thematic approach and offering a balanced, representative and inclusive sampling of the world's cultures from Africa, the Americas, Asia, Europe, and Oceania. Because this is an honors program course, students will be expected to complete extra assignments, or an additional longer assignment, to gain deeper insight into world history between prehistory and 750 CE.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Demonstrate and apply knowledge of the earliest World history through 750 CE to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret primary documents from the earliest World history through 750 CE to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 3B
World History from 750 to 1750 CE

4.0 Units

Starting from 750 Common Era (CE) and covering to 1750 CE, this course explores the convergence of, or increasing encounters between the world's peoples, cultures, and civilizations. Students will gain an interdisciplinary, multi-perspective view of world history, using a thematic approach and offering a balanced, representative and inclusive sampling of the world's cultures from Africa, the Americas, Asia, Europe, and Oceania.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Demonstrate and apply knowledge of World history from 750 to 1750 CE to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret World history primary documents from 750 to 1750 CE to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)

12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 3BH

World History from 750 to 1750 CE - HONORS

4.0 Units

Starting from 750 Common Era (CE) and covering to 1750 CE, this course explores the convergence of, or increasing encounters between the world's peoples, cultures, and civilizations. Students will gain an interdisciplinary, multi-perspective view of world history, using a thematic approach and offering a balanced, representative and inclusive sampling of the world's cultures from Africa, the Americas, Asia, Europe, and Oceania. Because this is an honors program course, students will be expected to complete extra assignments, or an additional longer assignment, to gain deeper insight into world history between 750 and 1750 CE.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Demonstrate and apply knowledge of World history from 750 to 1750 CE to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret World history primary documents from 750 to 1750 CE to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 3C

World History from 1750 CE to the Present

4.0 Units

This course covers the era from 1750 Common Era (CE) and extending to the present, recent and current interactions between the world's peoples, cultures, and civilizations. Students will gain an interdisciplinary, multi-perspective view of world history, using a thematic approach and offering a balanced, representative and inclusive sampling of the world's cultures from Africa, the Americas, Asia, Europe, and Oceania.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Demonstrate and apply knowledge of World history from 1750 CE to the present to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret World history primary documents from 1750 CE to the present to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 3CH

World History from 1750 CE to the Present - HONORS

4.0 Units

This course covers the era from 1750 Common Era (CE) and extending to the present, recent and current interactions between the world's peoples, cultures, and civilizations. Students will gain an interdisciplinary, multi-perspective view of world history, using a thematic approach and offering a balanced, representative and inclusive sampling of the world's cultures from Africa, the Americas, Asia, Europe, and Oceania. Because this is an honors program course, students will be expected to complete extra assignments, or an additional longer assignment, to gain deeper insight into world history between 1750 CE and the present.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Demonstrate and apply knowledge of World history from 1750 CE to the present to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret World history primary documents from 1750 CE to the present to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 6A

History of Western Civilization: Pre-History to 750

C.E.

4.0 Units

The development of Western Civilization from the fourth millennium BCE to the eighth century CE.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Students will demonstrate and apply knowledge of Western Civ's earliest history through late antiquity (750 CE) to construct defensible statements of meaning and evaluation about this period's development.
- Students will identify, critically evaluate, and interpret Western Civ's earliest through late antiquity (750 CE) primary documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 6AH

History of Western Civilization: Pre-History to 750 C.E. - HONORS

4.0 Units

The development of Western civilization from the fourth millennium BCE to the eighth century CE. As an honors course, the students will be expected to complete extra assignments, or an additional longer assignment, to gain deeper insight into the history of Western civilization from the ancient period through late antiquity (750 CE).

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Students will demonstrate and apply knowledge of Western Civ's earliest history through late antiquity (750 CE) to construct defensible statements of meaning and evaluation about this period's development.
- Students will identify, critically evaluate, and interpret Western Civ's earliest through late antiquity (750 CE) primary documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 6B

History of Western Civilization: 750 C.E. to 1750 C.E.

4.0 Units

The development of Western Civilization from the early Middle Ages to the early Modern Era (1750 CE), which includes late Medieval, the Renaissance, Reformation, and the Enlightenment.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Students will demonstrate and apply knowledge of Western history from the early Middle Ages through the early Modern Era (1750 C.E) to construct defensible statements of meaning and evaluation about this period's development.
- Students will identify, critically evaluate, and interpret Western history from the early Medieval era to the early Modern Era (1750 C.E) primary documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 6BH

History of Western Civilization: 750 C.E. to 1750 C.E. - HONORS

4.0 Units

The development of Western Civilization from the early Middle Ages to the early Modern Era (1750 CE), which includes late Medieval, the Renaissance, Reformation, and the Enlightenment. As an honors course, the students will be expected to complete extra assignments, or an additional longer assignment, to gain deeper insight into the history of Western civilization from the early Middle Ages to the early Modern Era (1750 CE).

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)

- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes

- Students will demonstrate and apply knowledge of Western history from the early Middle Ages through the early Modern Era (1750 C.E) to construct defensible statements of meaning and evaluation about this period's development.
- Students will identify, critically evaluate, and interpret Western history from the early Medieval era to the early Modern Era (1750 C.E) primary documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 6C
History of Western Civilization: 1750 C.E. to Present

4.0 Units

The development of Western Civilization from the early modern period (1750 CE) to the present, with an emphasis on the French Revolution, industrialization, nationalism, European imperialism, both world wars, environmentalism and the economic growth of Europe during and after the Cold War era.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes

- Students will demonstrate and apply knowledge of Western history from the early modern period (1750 C.E) through the present to construct defensible statements of meaning and evaluation about this period's development.
- Students will identify, critically evaluate, and interpret Western Civ's early modern period (1750 C.E) through the present primary documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 6CH
History of Western Civilization: 1750 C.E. to Present - HONORS

4.0 Units

The development of Western Civilization from the early modern period (1750 CE) to the present, with an emphasis on the French Revolution, industrialization, nationalism, European imperialism, both world wars, environmentalism and the economic growth of Europe during and after the Cold War era. As an honors course, the students will be expected to complete extra assignments, or an additional longer assignment, to gain deeper insight into the history of Western civilization from the early modern period (1750 CE) to the present.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment

- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes

- Students will demonstrate and apply knowledge of Western history from the early modern period (1750 C.E) through the present to construct defensible statements of meaning and evaluation about this period's development.
- Students will identify, critically evaluate, and interpret Western Civilization's early modern period (1750 C.E) through the present primary documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 7A
Colonial Latin American History

4.0 Units

This course examines Colonial Latin America and its role in the Atlantic world (to 1825) including the independence movements. Themes in the course cover social, intellectual, and cultural developments, the impact of poverty, race and gender relations, and popular culture.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Demonstrate and apply a critical assessment, interpretation and understanding of Colonial Latin American history from the 1400s until the 1820s to construct defensible statements of meaning and evaluation about this period's developments.
- Analyze and interpret the significance of the term mestizaje as it pertains to the creating of the culture and society of Colonial Latin America.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 7B
Modern Latin American History

4.0 Units

This course examines Latin American history from post-colonialism to the present (1810 to the present) and focuses on understanding the region as a diverse geographic, political, and social reality. Special attention will be given to the contributions of various peoples and cultures, human communities in arts and literature.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Describe and analyze the different paths taken by the Spanish New World Colonies to achieve independence.
- Describe, assess and interpret the different paths taken by the Independent Nations of Latin America to achieve modernization.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 9
Women in American History

4.0 Units

A critical examination of the social, economic, cultural and political history of American women from the colonial times to the present. Emphasis on the movements which enhanced women's political and economic rights, the social roles which defined women primarily by their gender, and the legal realities that women faced. Significant moral, political, and economic issues will be assessed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the Honors Program related course.)

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Demonstrate and apply knowledge of colonial and U.S. women's history to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret colonial and U.S. women's primary documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 9H
Women in American History - HONORS

4.0 Units

A critical examination of the social, economic, cultural and political history of American women from the colonial times to the present. Emphasis on the movements which enhanced women's political and economic rights, the social roles which defined women primarily by their gender, and the legal realities that women faced. Significant moral, political, and economic issues will be assessed. As an honors course, the students will be expected to complete extra assignments, or an additional longer assignment, to gain deeper insight into women's history in America.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)

- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Limitation(s) on Enrollment

- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Demonstrate and apply knowledge of colonial and U.S. women's history to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret colonial and U.S. women's primary documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 10
History of California

4.0 Units

This course covers California history from Native American cultures to the present. Emphasis is placed on introducing students to the discipline of history through cultural, social, economic, political, and environmental resource issues. The course includes practice in critical analysis of primary and secondary sources.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Demonstrate and apply knowledge of Native American through the present California history to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret Native American through present California primary documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 10H
History of California - HONORS

4.0 Units

This course covers California history from Native American cultures to the present. Emphasis is placed on introducing students to the discipline of history through cultural, social, economic, political, and environmental resource issues. The course includes practice in critical analysis of primary and secondary sources. Because this is an honors course, students will be expected to complete extra assignments, or an additional longer assignment, to gain deeper insight into California history.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Demonstrate and apply knowledge of Native American through the present California history to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret Native American through present California primary documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 16A
History of Africa to 1800

4.0 Units

This course discusses the history of Africa from the Paleolithic period to 1800. The course is an interdisciplinary survey of the emergence and development of African civilizations focusing on geographical, environmental economic, social, cultural and political issues.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Students will identify, critically evaluate, and interpret pre-history up to 1800 African primary documents to construct historical analysis.
- Students will demonstrate a geographical command of the continent of Africa.
- Students will understand the impact of pre-colonial Africa on world civilization.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 16B

History of Africa from 1800 to the Present

4.0 Units

This course studies African history in the 19th, 20th, and 21st centuries. The course focuses the implications of European expansion into Africa, the emergence of African nationalist movements, the establishment of independent African nations, and African nations post-colonization.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Students will demonstrate and apply knowledge of 19th, 20th, and 21st century African history to construct defensible statements of meaning and evaluation about this period's developments.
- Students will identify, critically evaluate, and interpret 19th, 20th, ad 21st century African primary documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 17A

History of the United States to Early National Era

4.0 Units

This course examines U.S. civilization to the Early National Era. Students will survey the social, cultural, political, economic, and intellectual development of the Colonial Era with an emphasis on the era of the American Revolution, the development of the Constitution, and the role of the major ethnic, social, and gender groups in the American experience.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Demonstrate and apply knowledge of the pre-Columbian and colonial eras through 1800 in U.S. history to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret U.S. history from the pre-Columbian and colonial eras through 1800 using primary source documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 17AH

History of the United States to Early National Era - HONORS

4.0 Units

This course examines U.S. civilization to the Early National Era. Students will survey the social, cultural, political, economic, and intellectual development of the Colonial Era with an emphasis on the era of the American Revolution, the development of the Constitution, and the role of the major ethnic, social, and gender groups in the American experience. Because this is an honors program course, students will be expected to complete extra assignments, or an additional longer assignment, to gain deeper insight into American history from the colonial period to the early national era.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Demonstrate and apply knowledge of the pre-Columbian and colonial eras through 1800 in U.S. history to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret U.S. history from the pre-Columbian and colonial eras through 1800 using primary source documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 17B
History of the United States from 1800 to 1900

4.0 Units

This course examines U.S. civilization from 1800 to 1900 and includes a survey of United States history (political, economic, intellectual, cultural, and social developments).

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Demonstrate and apply knowledge of nineteenth-century U.S. history to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret nineteenth-century U.S. history using primary source documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 17BH
History of the United States from 1800 to 1900 - HONORS

4.0 Units

This course examines U.S. civilization from 1800 to 1900 and includes a survey of United States history (political, economic, intellectual, cultural, and social developments). Because this is an honors program course, students will be expected to complete extra assignments, or an additional longer assignment, to gain deeper insight into American history between 1800 and 1900.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Demonstrate and apply knowledge of nineteenth-century U.S. history to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret nineteenth-century U.S. history using primary source documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 17C
History of the United States from 1900 to the Present

4.0 Units

This course examines American civilization from 1900 to the present and includes a survey of United States history (political, economic, intellectual, cultural, and social developments).

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Demonstrate and apply knowledge of twentieth-century U.S. history to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret twentieth-century U.S. history using primary source documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 17CH
History of the United States from 1900 to the Present - HONORS

4.0 Units

This course examines American civilization from 1900 to the present and includes a survey of United States history (political, economic, intellectual, cultural, and social developments). Because this is an honors program course, students will be expected to complete extra assignments, or an additional longer assignment, to gain deeper insight into American history between 1900 and the present.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Demonstrate and apply knowledge of twentieth-century U.S. history to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret twentieth-century U.S. history using primary source documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 18A
African American History to 1865

4.0 Units

This course examines the history of Black/African Americans from their kidnapping from Africa to their enslavement in the Americas until the end of the institution of slavery after the Civil War, including their struggle and resistance to racial oppression. The major events in the development of the United States by emphasizing the role of people of African descent in the political, social and economic life of the United States will be analyzed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(AFAM D012A was formerly ICS D018A.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Summarize the influence of West African culture on the lives of Black/African Americans.
- Identify the experience of the Middle Passage for kidnapped Africans.
- Analyze the role the institution of slavery played in shaping the history of the United States.
- Recognize significant events leading to the Civil War and end of slavery in 1865.
- Demonstrate an awareness of some of the conditions kidnapped and enslaved Africans experienced within the institution of slavery.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 18B
African American History Since 1865

4.0 Units

This course examines the history of the Black/African American in the United States since the ending of the American Civil War. The major events, policies, themes, experiences, and Black/African American people that shaped the history of the United States will be analyzed. This course will help students understand the role of Black/African Americans in the political, social and economic life of the United States from Reconstruction to the Jim Crow era, to the modern Civil Rights Movement to the Black Power Movement to the Black Lives Matter movement against police brutality and the prison industrial complex impacting Black/African Americans today. How institutions, policies, social norms, and laws have historically, and currently oppressed/oppress Black/African Americans will also be examined.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(AFAM D012B was formerly ICS D018B.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Evaluate how systematic segregation and institutional racism shaped, and continues to shape, the lives of Black/African Americans in the United States.
- Investigate the contributions of Black/African Americans in shaping the historical, political, social, and economic conditions of the United States.
- Analyze the significance of the modern day Civil Rights Movement and its impact on creating a more socially just society.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 19A

History of Asian Civilization: China and Japan (to the 19th Century)

4.0 Units

This is an introductory history course exploring the development of Chinese and Japanese civilizations from their origins through the 18th century.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(ASAM D042A was formerly INTL D019A.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Analyze key historical issues in Pre-Modern East Asian History from remote antiquity to 1800 CE.
- Examine and critique a sample of scholarly writing on Pre-Modern East Asian History from remote antiquity to 1800CE.
- Identify and characterize major periods, classifications, and genre of traditional pre-modern East Asian fine arts and material arts, as they have shaped traditional East Asian aesthetics and artistic sensibilities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 19B

History of Asian Civilization: China and Japan (19th - 21st Centuries)

4.0 Units

This is an introductory history course exploring modern China and Japan from the 19th to the 21st centuries.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(ASAM D042B was formerly INTL D019B.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Analyze key historical issues in Modern East Asian History from the 19th to the 21st century.
- Examine and critique a sample of scholarly writing on Modern East Asian History from the 19th to the 21st century.
- Identify and characterize major periods, classifications, and genre of traditional pre-modern East Asian fine arts and material arts, as they have shaped Modern East Asian aesthetics and artistic sensibilities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HIST 51X

Topics in California Political and Diplomatic History

2.0 Units

Examination of topics relating to California's political and diplomatic history from the time of the early Spanish explorations through the present, looking at Spanish, Mexican or United States rule.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes

- Demonstrate knowledge and comprehension of selected topics in California political and diplomatic history and evaluate their significance to California history overall.
- Identify, evaluate, and interpret primary sources including historic sites in relation to topics in California political and diplomatic history.
- Demonstrate historical knowledge and understanding to be better informed and intellectually engaged in California issues.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

HIST 52X

Topics in History of Transportation in California

2.0 Units

Examination of topics relating to California's transportation history looking at the influences of various cultures and national rulerships from the earliest human occupation to the present.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Demonstrate knowledge of selected topics in California transportation history and evaluate its significance to California history overall.
- Identify, evaluate, and interpret primary sources, including historic sites, related to topics in the history of transportation in California.
- Demonstrate historical knowledge and understanding so as to be better informed and intellectually engaged in California issues.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

HIST 53X
Topics in California Historical Sites and Monuments

2.0 Units

Topics relating to California's sites and monuments through a historical perspective of various eras and major architects who created or influenced them. Consideration of the political, socioeconomic, geographical and environmental conditions providing the historical and cultural context in which these styles evolved.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Comprehend and demonstrate knowledge of one or more California historical sites or monuments, and evaluate their significance in California history.
- Identify, evaluate, and interpret primary sources, including historic sites or structures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

HIST 54X
Special Topics: Significant Californians

2.0 Units

Works and achievements of specific Californians will be studied in relation to how they affected the trends, social climate, history, and development of California.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Comprehend and demonstrate knowledge of one or more significant Californians and evaluate their importance in California history.
- Identify, evaluate, and interpret primary sources, including historic sites or stuctures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

HIST 55A
Racial and Ethnic Communities in California's History

2.0 Units

Examination of topics relating to California's racial and ethnic communities throughout its history from the time of the indigenous people until the present day.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Comprehend and demonstrate knowledge of the racial and ethnic communities in California's history, and evaluate their significance to California overall.
- Identify, evaluate, and interpret primary sources on California's racial and ethnic communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

HIST 55B
California's Agricultural Heritage

2.0 Units

Examines a variety of aspects of the agricultural heritage of California, from animal husbandry introduced by Spanish explorers in the 18th century, to farm labor organizing of the late 20th century and the proliferation of millions of acres dedicated to viticulture today.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Comprehend and demonstrate knowledge of selected topics in California agricultural history and evaluate their significance to California history overall.
- Identify, evaluate, and interpret primary sources including historic sites.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

HIST 55C
Historical Surveys of California's Environments

2.0 Units

Examination of topics relating to California's environmental challenges throughout its history from the time of the indigenous people until the present day.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Comprehend and demonstrate knowledge of the history of California's environmental issues.
- Identify, evaluate, and interpret primary sources on California's environment.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

HIST 107X
Community History

2.0 Units

An overview and appreciation of one or more California communities tracing evolution of land use and development and looking at the influence of Native Americans and various cultures to the present.

Course Information

Transferability
Not transferable

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Students will comprehend and demonstrate knowledge of a selected California community and evaluate its significance in California history. Assessment: Quizzes, exams, papers, or class discussion.
- Students will identify, evaluate, and interpret primary sources, including historic sites or structures related to a select community. Assessment: Written evaluation and intepretation.
- Students's historical knowledge and understanding will enable them to be informed and intellectually engaged in California issues. Assessment: Essays, papers, or personal statements.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

HLTH 21
Contemporary Health Concerns

4.0 Units

This course examines the development of understanding and attitudes relative to individual, family, community, international, and global health medical issues and needs. Topics include health consumerism, mental health, stress, drugs and addiction, infectious and chronic degenerative diseases nutrition, weight management, fitness, sexual health and reproduction, and environmental concerns. Students will learn about common lifestyle behaviors with an emphasis on self-help and preventable aspects of medical care.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Appraise the interrelationship between individual lifestyle choices, societal influence and personal health.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0

Total	48.0	**Total**	96.0

HLTH 57A

First Aid for the Community, Home, Wilderness, and Disasters

1.0 Units

Designed for certification in American Red Cross First Aid. Students will gain the knowledge and skills necessary to recognize and provide basic care for injuries and sudden illnesses until advanced medical personnel take over. Adaptations for delayed help in situations such as a wilderness environment or after an earthquake. Upon successful completion of the course, each participant will receive an American Red Cross certification in Standard First Aid (valid for three years).

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate life saving skills in care of injuries and sudden illness as specified by the American Red Cross.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

HNDI 1

Elementary Hindi (First Quarter)

5.0 Units

This is an introduction to the language and cultures of Hindi-speaking countries and communities. Basic speaking, listening, reading, and writing of Hindi will be introduced and practiced within a cultural framework. The emphasis will be on language as an expression of culture.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate a working command of essential vocabulary and language structures necessary to request and provide, orally and in writing, basic/simple information relating to high-frequency situations in familiar contexts.
- Derive meaning from short, simple texts on familiar topics, relying on contextual clues to extract the gist and some detail.
- Compose comprehensible, simple phrases or sentences about familiar topics to reflect a working command of core vocabulary and language structures.
- Demonstrate a cursory grasp of social protocols and contributions of Hindi-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

HNDI 2

Elementary Hindi (Second Quarter)

5.0 Units

This course includes further development of material presented in HNDI 1, continuing an introduction to the language and culture of Hindi-speaking states. Basic speaking, listening, reading, and writing of Hindi will be introduced and practiced within a cultural framework. The emphasis will be on language as an expression of culture.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
HNDI 1 (equivalent to one year of high school Hindi) or equivalent

Student Learning Outcomes
- Demonstrate a greater working command of essential vocabulary and language structures necessary to request and provide, orally and in writing, an increasing range of basic/simple information relating to high-frequency situations in familiar contexts such as visiting friends, making appointments, studying Hindi, preparing for a class, school life, shopping and transportation.
- Derive meaning from short, simple texts on familiar topics, relying on contextual clues to extract the gist and an increasing amount of detail.
- Compose comprehensible, simple sentences about familiar topics to reflect a greater working command of core vocabulary and language structures.
- Demonstrate a deeper grasp of social protocols and contributions of Hindi-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

HNDI 3

Elementary Hindi (Third Quarter)

5.0 Units

This course provides further development of topics presented in HNDI 1 and HNDI 2, completing students' introduction to the language and culture of Hindi-speaking states and communities. Basic speaking, listening, reading, and writing of Hindi will be introduced and practiced within a cultural framework. The emphasis will be on language as an expression of culture.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
HNDI 2 (equivalent to two years of high school Hindi) or equivalent

Student Learning Outcomes
- Demonstrate a somewhat consistent working command of essential vocabulary and

language structures necessary to request and provide, orally and in writing, a more complex/abstract range of information relating to high-frequency situations in familiar contexts.
- Derive meaning from longer, simple texts on familiar topics, relying on contextual clues to extract main ideas and supporting details.
- Compose comprehensible, more complex sentences about familiar topics to reflect a somewhat consistent working command of core vocabulary and language structures.
- Demonstrate an increasingly accurate grasp of social protocols and contributions of Hindi-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

HTEC 50
Introduction to Health Technologies

2.0 Units

Survey of health technology programs with an emphasis on the professions; designed to assist in identifying personal strengths and weaknesses related to health technology professions; assist students in health technology professions to learn basic principles of human behavior.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Develop the evolution, desirable characteristics and abilities of various roles of health technologies team members as it relates to the health care team.
- Develop various methods of coping with loss.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

HTEC 60A
Basic Medical Terminology

3.0 Units

Orientation to medical terminology; basic structure of medical terms and their components-prefixes, suffixes and roots with emphasis on analysis, definition, spelling and pronunciation.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
HTEC 50 (may be taken concurrently)

Student Learning Outcomes
- Illustrate the word components of medical terminology.
- Develop medical terms as they relate to the body's structure, diseases of the various body systems, medical specialties and medical specialists.
- Demonstrate the interpretation of medical abbreviations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

HTEC 60G
Advanced Medical Terminology I

2.0 Units

Application of medical terminology to the following body systems: digestive, urinary, reproductive, nervous, integumentary, sensory organs, and radiology.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
HTEC 60A

Student Learning Outcomes
- Demonstrate the anatomy, physiology, and diseases of the digestive, urinary, female reproductive, male reproductive, nervous, sensory, and integumentary body systems.
- Develop case studies that concern diagnostic, conditions, and diseases of systems and/or medical specialties.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

HTEC 60H
Advanced Medical Terminology II

2.0 Units

Application of medical terminology to the following body systems: cardiovascular, respiratory, blood and lymphatics, musculoskeletal, endocrine, oncology, pharmacology, psychiatry.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
HTEC 60A

Student Learning Outcomes

- Demonstrate the anatomy, physiology and diseases of the cardiovascular, respiratory, blood, lymphatic, musculoskeletal and endocrine systems.
- Develop case studies that concern diagnostic conditions and diseases of systems and/or medical specialities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

HTEC 61
Medical Communications

1.5 Units

Application of medical terminology, abbreviations, symbols, numbers, keyboarding appropriate formats in medical communications; medical chart notes, history and physicals, consultations and operative reports.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
HTEC 101C

Advisory(ies)
HTEC 60A

Student Learning Outcomes

- Develop the various mechanical formats and guidelines used to prepare a medical history and physical report and design the information which appears in various medical reports.
- Demonstrate words concerned with keyboarding, proofreading and editing of manuscripts and abstracts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

HTEC 64A
Clinical Laboratory Procedures I

1.5 Units

Introduction to the clinical laboratory: infection control, bloodborne pathogen standard, safety standards, laboratory requisition, specimen requirements, patient preparation, patient identification, specimen identification, venipuncture and skin puncture equipment.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
HTEC 60A

Student Learning Outcomes

- Demonstrate the practice of proper application of OSHA standards during specimen collection.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

HTEC 64B
Clinical Laboratory Procedures II

3.0 Units

Addresses blood collection procedures and includes: safety, infection collection, circulatory system, pre-analytical considerations, blood collection equipment and supplies, blood collection procedures for venipuncture and skin puncture, special collections, specimen processing and handling, quality assurance, and legal issues.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
HTEC 64A and HTEC 101A (may be taken concurrently). Students who have successfully passed HTEC 101A must enroll in either HTEC D101L or HTEC 101M concurrently.

Student Learning Outcomes

- Identify the proper procedures for the collection of blood by venipuncture and capillary puncture.
- Recognize and address the potential problems encountered during venipuncture that can impact patient care.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

HTEC 68
Medical Reception Externship

2.0 Units

Practical medical reception experience in medical clinics.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)

HTEC 50, D060A, D061., D071., D072., D073., D075., D101C and D101D

Advisory(ies)
CIS 4 and HLTH 57A

Student Learning Outcomes
- Demonstrate proper medical reception techniques in the clinical environment.
- Illustrate medicolegal principles and codes of ethics that must be considered in the daily operation of the doctors office.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

HTEC 71
Medical Office Reception

2.0 Units

Duties of the medical receptionist with emphasis on oral communications, appointment scheduling, and telephone technique.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
HTEC 60A

Student Learning Outcomes
- Illustrate skills and knowledge necessary to create, organize and maintain a comfortable, efficient and safe medical office waiting room environment addressing patient needs, ingress/egress, privacy, personal space and ADA requirements.
- Demonstrate correct methodology for taking written telephone messages with accuracy and necessary pertinent information in response to multiple scenarios.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

HTEC 72
Medical Office Financial Procedures

1.5 Units

Fee determination, billing, diagnostic and procedural coding,commercial and government health insurance programs, health insurance specialist as a career.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
HTEC 101D

Advisory(ies)
HTEC 60A

Student Learning Outcomes
- Illustrate diagnostic and procedural coding in the medical facility.
- Illustrate eligibility, benefits guidelines for health insurance companies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

HTEC 73
Medical Law and Ethics

3.0 Units

Medical ethics, medical practice acts, legal relationship of patient and physician, legal responsibilities of the health technology team member, professional liability, physician's civic duties and arbitration.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
HTEC 60A

Student Learning Outcomes
- Illustrate medical ethics. Medical practice act, legal relationship of patient and physician, legal responsibilities of the health technology team member, professional liability, physicians civic duties and arbitration.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

HTEC 74A
Medical Transcription with Editing I

1.5 Units

This course focuses on the development of basic medical transcription skills for a facility using actual dictation from Gastroenterology and Dermatology specialties; along with the basic skills for speech recognition editing.

Course Information

Transferability
Transferable to CSU only

Formerly Statement

(Formerly HTEC D074.)

Prerequisite(s)
HTEC 61

Corequisite(s)
HTEC 101H

Student Learning Outcomes
- Demonstrate knowledge of medical documentation, transcription, and editing skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	18.0	**Laboratory**	0.0
Total	30.0	**Total**	24.0

HTEC 74B
Medical Transcription with Editing II

1.5 Units

This course focuses on the development of advanced medical transcription skills for a facility using actual dictation from orthopedics, cardiology, and urology specialties; along with the basic skills for speech recognition editing.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
HTEC 74A

Corequisite(s)
HTEC 101J

Student Learning Outcomes
- Demonstrate transcription with speech recognition editing skills necessary for medical office using actual dictation from orthopedics, cardiology, and urology specialties.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	18.0	**Laboratory**	0.0
Total	30.0	**Total**	24.0

HTEC 74C
Medical Transcription with Editing III

1.5 Units

This course focuses on the development of advanced medical transcription skills for a facility using actual dictation from OB/GYN, endocrinology, and neurology specialties; along with the basic skills for speech recognition editing.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
HTEC 74B

Corequisite(s)
HTEC 101K

Student Learning Outcomes
- Demonstrate transcription with speech recognition editing skills necessary for the medical office using actual dictation from OB/GYN, endocrinology, and neurology specialties.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	18.0	**Laboratory**	0.0
Total	30.0	**Total**	24.0

HTEC 75
Electronic Health Records

1.5 Units

Electronic Health Records (EHR) documentation through industry-standard software, basic technology used in EHR implementation, setup EHR software using clinical and administrative tools, create new documentation in EHR, importing documents in a patient's chart, creating templates for procedures and diagnoses.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
HTEC 60A and HTEC 72

Student Learning Outcomes
- Illustrate competence in the implementation of EHR, creating new documentation in an EHR, setting up EHR software using clinical and administrative tools, creation of templates for procedures and diagnosis , and importing of various documents into a patient's charts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

HTEC 76A
Advanced Medical Coding I

1.5 Units

This course introduces advance concepts and guidelines from the (AHA) American Hospital Association, (AHIMA) American Health Information Association, and (AMA) American Medical Association: ICD-10-CM Coding System.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
HTEC 72

Student Learning Outcomes
- Demonstrate ability to code diagnosis and procedures using ICD-10 and CPT Coding Systems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	18.0	**Laboratory**	0.0
Total	30.0	**Total**	24.0

HTEC 76B
Advanced Medical Coding II

1.5 Units

This course introduces the advanced concepts and guidelines from the (AHA) American Hospital Association, (AHIMA) American Health Information Association, and (AMA) American Medical Association: ICD-10-CM Coding Systems. (AMA) American Medical Association CPT4 (Current Procedural Terminology) and HCPCS (Healthcare Common Procedure Coding Systems) Outpatient procedure coding systems.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
HTEC 76A

Student Learning Outcomes
- Explain the purpose of ICD-10-CM coding systems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	18.0	**Laboratory**	0.0
Total	30.0	**Total**	24.0

HTEC 77
Special Projects in Health Technology

1.0 Units

Individual advanced projects in health technology.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Develop in conjunction with student and instructor.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

HTEC 77X
Special Projects in Health Technology

2.0 Units

Individual advanced projects in health technology.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Develop in conjunction with student and instructor.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

HTEC 77Y
Special Projects in Health Technology

3.0 Units

Individual advanced projects in health technology.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Develop in conjunction with student and instructor.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

HTEC 80
Clinical Hematology Laboratory

1.5 Units

This course introduces the various techniques and safety procedures used in the clinical hematology laboratory. Students will prepare and stain blood slides, perform microhematocrits, hemoglobin analysis, ESR, and Sickle Cell Screening. Students will perform manual WBC's and platelet counts using a hemacytometer. Students will evaluate printouts from the automated hematology analyzer. Students will determine the morphology and identification of common human blood cells. Special stains (Reticulocyte, giemasa, and Kleihaure-Betke) will be done. Correlating test results with disease states will be accomplished. Successful completion of this course and HTEC D080A, HTEC D081A, HTEC D081., HTEC D082A and HTEC D082. are required to enroll in Clinical Hematology/Urinalysis/Coagulation Practicum, HTEC D180. This course must be successfully completed in order to qualify for the clinical externship and take the exam.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
HTEC 80A

Student Learning Outcomes
- Practice proper application of OSHA standards as pertains to the clinical hematology laboratory.
- Use proper technique and follow written laboratory procedures to perform Complete Blood Count (CBC) with differential and patelet estimate on a minimum of 2 normal blood samples.
- Identify abnormal CBC results and correlate to possible causes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

HTEC 80A
Clinical Hematology Lecture

4.5 Units

This course presents the origin of the various types of blood cells with an emphasis on the red and white blood cells. Human hematological disorders and classifications based on clinical laboratory findings will be covered and case studies will be presented. This course must be successfully completed in order to qualify for the clinical externship and take the exam.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
HTEC 80

Student Learning Outcomes
- Identify the hematological disorder displayed by the patient given patient history information and laboratory results.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

HTEC 81
Clinical Urinalysis Laboratory

0.75 Units

This course teaches the student the various properties and constituents of urine via "hands-on" learning. Emphasis is placed on the interpretation and handling of urine specimens and their accompanying requisitions. Students will be taught to examine urine physically, chemically, and microscopically and compare clinical values as related to the physiology of the urinary system in health and disease. Correlating test results to disease states will be accomplished by the student. Successful completion of this course and HTEC D081A, HTEC D080A, HTEC D080., HTEC D082A, and HTEC D082. is required to enroll in Clinical Hematology/Urinalysis/Coagulation Practicum, HTEC D180. This course must be successfully completed in order to qualify for the clinical externship and take the licensing exam.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
HTEC 81A

Student Learning Outcomes
- Practice proper application of OSHA standards appropriate for the clinical urinalysis laboratory.
- Perform routine urinalysis on a minimum of 2 normal urine samples with 100% accuracy to include both physical and chemical analysis.
- Identify abnormal urinalysis results and correlate these results with possible causes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.25	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	27.0	**Laboratory**	0.0
Total	27.0	**Total**	0.0

HTEC 81A
Clinical Urinalysis Lecture

1.5 Units

This course introduces the student to urine formation including renal anatomy and physiology, renal diseases, and metabolic disorders. The course content also includes basic body fluids, along with case-studies correlating clinical laboratory testing results to possible disease states. This course must be successfully completed in order to qualify for the clinical externship and take the licensing exam.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
HTEC 81

Student Learning Outcomes
- Label the parts of a kidney diagram, trace the path of blood flow and urine formation to include reabsorption and secretion.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.5	3.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	18.0	**Lecture**	36.0
Laboratory	0.0	**Laboratory**	0.0
Total	18.0	**Total**	36.0

HTEC 82
Clinical Coagulation Laboratory

0.75 Units

Introduces the various techniques and safety procedures used in the clinical coagulation laboratory. Emphasis on platelet function tests and intrinsic and extrinsic clotting pathway testing. Normal and abnormal cases will be studied. Correlating test results with disease states will be accomplished. Successful completion of this course and HTEC D080., D080A, D081., D081A and D082A are required to enroll in Clinical Hematology/Urinalysis/Coagulation Practicum (HTEC D180.).

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
HTEC 82A

Student Learning Outcomes
- Practice proper application of OSHA standards appropriate for the coagulation laboratory.
- Analyze blood samples for Protime (PT) and Activated Partial Thromboplastin Time (APTT) following proper techniques and procedures.
- Identify abnormal PT and APTT results and correlate to possible causes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.25	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	27.0	**Laboratory**	0.0
Total	27.0	**Total**	0.0

HTEC 82A
Clinical Coagulation Lecture

1.5 Units

Introduces the mechanisms involved in hemostasis. Includes the processes of primary, secondary and fibrinolysis in normal circumstances and in relation to disease states. Case studies will be included.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
HTEC 82

Student Learning Outcomes
- Evaluate laboratory data to distinguish between primary and secondary hemostasis disorders and defend your response.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.5	3.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	18.0	**Lecture**	36.0
Laboratory	0.0	**Laboratory**	0.0
Total	18.0	**Total**	36.0

HTEC 83
Clinical Microbiology Laboratory

1.5 Units

An introduction to the various techniques and safety procedures in clinical microbiology. Emphasizes the morphology and identification of common pathogenic organisms. Correlation of test results with disease states will be accomplished. Successful completion of this course and HTEC D083A is required to enroll in Clinical Microbiology Practicum (HTEC D183.).

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
HTEC 83A

Student Learning Outcomes
- Practice proper application of OSHA standards as pertains to the clinical microbiology laboratory.
- Distinguish between normal flora and pathogenic bacteria for selected body sites.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

HTEC 83A
Clinical Microbiology Lecture

4.5 Units

Addresses microorganisms of medical microbiology with emphasis on the characteristics of clinically significant microorganisms and their biochemical profile, media for isolation, and identification methods for selected pathogens. The student will be introduced to identification methods, theories, and techniques used in basic bacteriology, parasitology and mycology. Emphasizes routine organism identification. Correlating test results with disease states will be accomplished. Successful completion of this course and HTEC D083. is required to enroll in Clinical Microbiology Practicum (HTEC D183.).

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
HTEC 83

Student Learning Outcomes
- Given patient history information, specimen source and laboratory results including biochemical profile, media used, gram stain, and other selected identification results identify the microrganism isolated from the patient.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

HTEC 84
Clinical Immunology/Immunohematology Laboratory

1.5 Units

Introduces the student to the basic principles of antigen and antibody reactions included in blood grouping and typing, compatibility testing and serological procedures by performances in a student lab environment. Introduces serological and immunohematology procedures and techniques to measure analytes qualitatively and quantitatively. Correlating test results with disease states will be accomplished. Successful completion of this course and HTEC D084A is required prior to enrollment in Clinical Immunology/Immunohematology Practicum, HTEC D184. This course must be successfully completed in order to qualify for the clinical externship and take the licensing exam.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
HTEC 84A

Student Learning Outcomes
- Practice proper application of OSHA standards as appropriate for the immunology/immunohematology laboratory.
- Use proper technique and follow written laboratory procedures to perform all testing necessary to find a mock patient a compatible unit of blood.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

HTEC 84A
Clinical Immunology/Immunohematology Lecture

4.5 Units

Introduces the student to the basic principles of antigen and antibody reactions included in blood grouping and typing, compatibility testing and serological procedures. Introduces serological and immunohematology procedures and techniques to measure analytes qualitatively and quantitatively. This course must be successfully completed in order to qualify for the clinical externship and take the licensing exam.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
HTEC 84

Student Learning Outcomes
- Correlate clinical significance of serologic test results with possible disease states.
- Given patient history and various immunohematolgy testing evaluate the results and correlate them with various disease states.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

HTEC 85A
Clinical Chemistry I Laboratory

1.5 Units

Teaches the general laboratory principles and specific basic instrumentation methodologies used in basic clinical chemistry analysis. After review of laboratory math, and a reintroduction to quality control and quality assurance, the student will be introduced to variables of the pre-analytical phase, characteristics important to quality lab technique and safety. Correlating test results with disease states will be accomplished. Successful completion of this course, HTEC D085B, HTEC D085C and HTEC D085D are required to enroll in Clinical Chemistry Practicum, HTEC D185. This course must be successfully completed in order to qualify for the clinical externship and take the licensing exam.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
HTEC 85C

Student Learning Outcomes
- Practice proper application of OSHA standards as appropriate in the chemistry laboratory.
- Use proper techniques to perform serial dilution.
- Using a spectrophotometer and proper techniques, dilute a given standard to establish a calibration curve. Analyze and determine the concentration of an unknown sample using the curve.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

HTEC 85B

Clinical Chemistry II Laboratory

1.5 Units

Teaches the general laboratory principles and specific basic instrumentation methodologies used in basic clinical chemistry analysis. After review of laboratory math, and a reintroduction to quality control and quality assurance, the student will be introduced to variables of the pre-analytical phase, characteristics important to quality lab technique and safety. Correlating test results with disease states will be accomplished. Successful completion of this course, HTEC D085B, HTEC D085C and HTEC D085D are required to enroll in Clinical Chemistry Practicum, HTEC D185. This course must be successfully completed in order to qualify for the clinical externship and take the licensing exam.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
HTEC 85A

Corequisite(s)
HTEC 85D

Student Learning Outcomes

- Practice proper application of OSHA standards as appropriate in a clinical chemistry laboratory.
- Use troubleshooting skills to identify potential errors in laboratory testing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

HTEC 85C

Clinical Chemistry I Lecture

4.5 Units

Fundamental principles of clinical chemistry will be presented. Topics include: laboratory math, basic supplies and equipment, testing variables, and analytical techniques. Detailed theory of enzymes, electrolytes, acid-base, trace metals, carbohydrates, cardiac, amino acids, proteins, porphyrins will be included. Basic quality control will be introduced. Correlating test results with disease states will be accomplished. This course must be successfully completed in order to qualify for the clinical externship and take the licensing exam.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
HTEC 85A

Student Learning Outcomes

- Identify sources of error in clinical laboratory testing and classify them as pre-analytical, analytical and post-analytical.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

HTEC 85D

Clinical Chemistry II Lecture

4.5 Units

Teaches relationships between the endocrine system and analytes assayed in the clinical laboratory, including tumor markers, therapeutic drugs, and compounds studied in toxicology. The student will be introduced to vitamins assayed and correlate their clinical significance. The student will correlate liver, kidney, and pancreatic function with test results and compare with states of health and disease. The function and laboratory analysis of various body fluids including effusions, spinal fluid, and synovial fluid will be included. This course must be successfully completed in order to qualify for the clinical externship and take the licensing exam.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
HTEC 85C

Corequisite(s)
HTEC 85B

Student Learning Outcomes

- Given patient history and chemistry laboratory testing results, identify normal and abnormal results and correlate these results with possible disease states.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

HTEC 90G

Basic Patient Care

1.5 Units

Medical asepsis, nutrition and diet therapy, vital signs, preparation of examining room and patient, various procedures in the medical office.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
HTEC 101B

Advisory(ies)
HTEC 60A

Student Learning Outcomes

- Demonstrate the regulation and measurement of vital signs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

HTEC 90H
Medical Office Sterile Technique

1.5 Units

Local application of heat and cold, medical office instruments, sterilization and disinfection of equipment and instruments, application of sterile gloves, assisting with minor office surgery, and bandaging.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
HTEC 101E

Advisory(ies)
HTEC 60A and HTEC 90G

Student Learning Outcomes
- Demonstrate the application of sterile gloves, sterilization of instruments that are used in minor surgery.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

HTEC 91
Medical Office Diagnostic Tests

1.5 Units

Electrocardiography, theory of assisting with physical therapy and x-ray examinations, theory of diagnostic procedures and instructions.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
HTEC 101F

Advisory(ies)
HTEC 60A

Student Learning Outcomes
- Illustrate common terms used in electrocardiography, physical therapy and radiology procedures.
- Illustrate the structure and electrical conduction system of the heart.
- Demonstrate measuring and assessing heart rhythms using an electrocardiograph including analyzing normal and abnormal electrocardiograms.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

HTEC 93
Pharmacology for Medical Assistants

3.0 Units

To learn drug legislation and standards, dosage calculation, drug preparations and information regarding drugs and how they affect various system of the body.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
HTEC 60A

Student Learning Outcomes
- Demonstrate dosage calculation, define drug legislation and standards, compare and contrast drug preparations, and identify classification of major drugs affecting various systems and indications and side effects of the drugs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

HTEC 94
Administration of Medications

1.5 Units

Pertinent anatomy and physiology, choice of equipment, proper technique, hazards and complications, post-treatment and test patient care and satisfactory performance of a minimum of ten intramuscular, subcutaneous, and intradermal injections; preparation and administration of oral medication.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
HTEC 93

Student Learning Outcomes
- Illustrate pertinent anatomy and physiology and choice of equipment for injections.
- Demonstrate proper techniques, hazards and complications, post-treatment and test patient of a minimum of 10 intramuscular, 10 subcutaneous and 10 intradermal injections.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

HTEC 95A

Medical Assisting Externship

3.0 Units

Clinical medical assisting practical experience in medical facilities.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
BIOL 54G, D054H, D054I, D054J; HTEC 50, D060A, D060G, D060H, D061., D064A, D064B, D071., D072., D073., D074A, D075., D090G, D090H, D091., D093., D094., D101A, D101B, D101C, D101D, D101E, D101F, D101H and D110.

Advisory(ies)
CIS 99

Student Learning Outcomes
- Demonstrate proper Medical Assisting techniques in the clinical environment.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

HTEC 95B

Phlebotomy Technician I Externship

3.0 Units

Phlebotomy Technician I practical experience in medical facilities.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
HLTH 57A; HTEC 50, D060A, D064A, D064B, D073. and D101A

Advisory(ies)
CIS 4

Student Learning Outcomes
- Describe the proper application of OSHA standards.
- Recognize and respond to potential problems encountered during venipuncture that can impact patient care.
- Describe proper procedures for the collection of blood by venipuncture and skin puncture.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

HTEC 96A

Medical Assisting Externship

4.0 Units

Administrative and clinical medical assisting practical experience in medical facilities.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
BIOL 54G, D054H, D054I, D054J; HTEC 50, D060A, D060G, D060H, D061., D064A, D064B, D071., D072., D073., D074A, D075., D090G, D090H, D091., D093., D094., D101A, D101B, D101C, D101D, D101E, D101F, D101H and D110.

Advisory(ies)
CIS 99

Student Learning Outcomes
- Demonstrate proper Medical Assisting administrative and clinical skills in the medical environment.
- Illustrate medicolegal principles and codes of ethics that must be considered in the daily operation of the clinical facilities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

HTEC 96C

Medical File Clerk Externship

4.0 Units

Medical file clerk practical experience in medical facilities.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
HTEC 50, D060A, D073. and D075.

Advisory(ies)
CIS 4 and CIS 99

Student Learning Outcomes
- Demonstrate proper Medical File Clerk techniques in the clinical environment.
- Illustrate medicolegal principles and codes of ethics that must be considered in the daily operation of the clinical facilities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

HTEC 96D

Medical Record Clerk Externship

4.0 Units

Medical record clerk practical experience in medical facilities.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
HTEC 50, D060A, D071., D073. and D075.

Advisory(ies)
CIS 4 and CIS 99

Student Learning Outcomes
- Demonstrate proper Medical Record Clerk techniques in the clinical environment.
- Illustrate medicolegal principles and codes of ethics that must be considered in the daily operation of the clinical facilities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

HTEC 96E

Business Office Clerk Externship

4.0 Units

Business office clerk practical experience in medical facilities.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
HTEC 50, D060A, D072., D073., D075. and D101D

Advisory(ies)
CIS 4 and CIS 99

Student Learning Outcomes
- Demonstrate proper Business Office Clerk techniques in the clinical environment.
- Illustrate medicolegal principles and codes of ethics that must be considered in the daily operation of the clinical facilities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

HTEC 96F

Insurance and Coding Externship

4.0 Units

Insurance and coding practical experience in medical facilities.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
BIOL 54G, D054H, D054I, D054J; HTEC 50, D060A, D060G, D060H, D061., D072., D073., D076A, D076B, D101C and D101D

Student Learning Outcomes
- Use proper Insurance and Coding techniques in the clinical environment.
- Illustrate medicolegal principles and codes of ethics that must be considered in the daily operation of the clinical facilities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

HTEC 96G

Medical Transcription Externship

4.0 Units

Medical transcription practical experience in medical facilities.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
HTEC 50, D060A, D060G, D060H, D061., D073., D074A, D074B, D074C, D101C, D101H, D101J, and D101K

Student Learning Outcomes
- Demonstrate proper Medical Transcription techniques in the clinical environment.
- Illustrate medicolegal principles and codes of ethics that must be considered in the daily operation of the clinical facilities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

HTEC 96H
EKG Externship

4.0 Units

Lab assisting practical experience in medical facilities.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
HTEC 50, D060A, D064A, D064B, D073., D090G, D091., D101A, D101B and D101F

Student Learning Outcomes
- Demonstrate proper EKG techniques in the clinical environment.
- Illustrate medicolegal principles and codes of ethics that must be considered in the daily operation of the clinical facilities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

HTEC 101A
Skill Building in Clinical Laboratory Procedures II

1.0 Units

Proper collection and handling of blood specimens while developing speed and accuracy.

Course Information

Transferability
Not transferable

Prerequisite(s)
HTEC 64B (may be taken concurrently)

Student Learning Outcomes
- Consistently apply the OSHA Bloodborne Pathogen Standard during the collection of blood specimens.
- Demonstrate the proper procedures for the collection of blood by venipunture and capillary puncture.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

HTEC 101B
Skill Building in Basic Patient Care

1.0 Units

Development of speed and accuracy in skills learned in the basic patient care course; skills include proper hand washing, vital signs, preparation of examination room and patient and various procedures in the medial office.

Course Information

Transferability
Not transferable

Corequisite(s)
HTEC 90G

Student Learning Outcomes
- Demonstrate vital signs and various procedures performed in the medical office.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

HTEC 101C
Skill Building in Medical Communications

1.0 Units

Development of speed and accuracy in skills learned in medical communications and advanced medical terminology.

Course Information

Transferability
Not transferable

Corequisite(s)
HTEC 61

Student Learning Outcomes
- Demonstrate a level of competence in the skills learned in Medical Communications and in preparation for Medical Transcription.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

HTEC 101D

Skill Building in Medical Office Financial Procedures

1.0 Units

Development of speed and accuracy in skills learned in medical office financial procedures course; skills include determining ICD-10 and CPT codes, completing various types of insurance forms.

Course Information

Transferability
Not transferable

Corequisite(s)
HTEC 72

Student Learning Outcomes
- Demonstrate billing and collection procedures and the various steps in preparing insurance claim forms.
- Illustrate the ICD-10 and CPT codes used in medical office.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

HTEC 101E

Skill Building in Medical Office Sterile Technique

1.0 Units

Development of speed and accuracy in skills learned in the medical office sterile technique course; skills include local application of heat and cold, application of sterile gloves, assisting with minor surgery, and bandaging.

Course Information

Transferability
Not transferable

Corequisite(s)
HTEC 90H

Student Learning Outcomes
- Demonstrate the proper techniques in wrapping instruments and in sterile tray set up.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

HTEC 101F

Skill Building in Medical Office Diagnostic Tests

1.0 Units

Development of speed and accuracy in skills learned in the medical office diagnostic tests course; skills include performing assessing electrocardiograms.

Course Information

Transferability
Not transferable

Corequisite(s)
HTEC 91

Student Learning Outcomes
- Demonstrate measuring and assessing heart rhythms using an electrocardiograph including analyzing normal and abnormal electrocardiograms.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

HTEC 101H

Skill Building in Medical Transcription and Editing I

1.0 Units

This course develops speed and accuracy in medical transcription skills for a medical facility using actual dictation for dermatology medical specialties, along with the basic skills for speech recognition editing.

Course Information

Transferability
Not transferable

Corequisite(s)
HTEC 74A

Student Learning Outcomes
- Demonstrate knowledge of medical documentation, transcription, and editing skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

HTEC 101J

Skill Building in Medical Transcription and Editing II

1.0 Units

This course develops speed and accuracy in medical transcription skills for a medical facility using actual dictation for orthopedics, cardiology, and urology specialties, along with the basic skills for speech recognition editing.

Course Information

Transferability
Not transferable

Corequisite(s)
HTEC 74B

Student Learning Outcomes
- Demonstrate knowledge of medical documentation, transcription, and editing skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

HTEC 101K
Skill Building in Medical Transcription and Editing III

1.0 Units

This course develops speed and accuracy in medical transcription skills for a medical facility using actual dictation for OB/GYN, endocrinology, and neurology specialties, along with the basic skills for speech recognition editing.

Course Information

Transferability
Not transferable

Corequisite(s)
HTEC 74C

Student Learning Outcomes
- Demonstrate knowledge of medical documentation, transcription, and editing skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

HTEC 101L
Intermediate Skill Building in Clinical Laboratory Procedures II

1.0 Units

Intermediate collection and handling of blood specimens and increasing speed and accuracy.

Course Information

Transferability
Not transferable

Prerequisite(s)
HTEC 101A and HTEC 64B (may be taken concurrently)

Student Learning Outcomes
- Demonstration of knowledge of the proper collection and handling of blood specimens while speed and accuracy is increased.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

HTEC 101M
Advanced Skill Building in Clinical Laboratory Procedures II

0.5 Units

Advanced collection and handling of blood specimens and increasing speed and accuracy.

Course Information

Transferability
Not transferable

Prerequisite(s)
HTEC 101A and HTEC 64B (may be taken concurrently)

Student Learning Outcomes
- Demonstration of knowledge of the proper collection and handling of blood specimens while speed and accuracy is increased.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

HTEC 110
Health Technologies Employment Preparation

1.5 Units

Steps involved in preparing to complete a medical assistant externship and preparation for certification examinations.

Course Information

Transferability
Not transferable

Student Learning Outcomes
- Demonstrate the medical assistant skills in preparation to complete a successful externship and to pass the state and national examinations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

HTEC 180
Clinical Hematology/Urinalysis/Coagulation Practicum

6.0 Units

Provides entry-level clinical laboratory practice/experience in the department of hematology, urinalysis and coagulation. Emphasis is placed on technique, accuracy, and precision. Different instrumentation will be introduced as well as bench/manual methods. Competence will be evaluated based on final clinical evaluations. This practicum will be conducted at a clinical affiliate site that will be facilitated by the MLT (Medical Laboratory Technician) Program Director. This course must be successfully completed in order to take the national exam and qualify for a California state license.

Course Information

Transferability
Not transferable

Prerequisite(s)
HTEC 80, D080A, D081., D081A, D082. and D082A

Student Learning Outcomes
- Safely and accurately perform analytical procedures in Clinical Hematology/Urinalysis/Coagulation departments identifying normal and abnormal lab tests and factors affecting results and take appropriate action.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	18.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	216.0	**Laboratory**	0.0
Total	216.0	**Total**	0.0

HTEC 183
Clinical Microbiology Practicum

6.0 Units

Provides entry-level clinical laboratory practice/experience in the department of microbiology. Emphasis is placed on technique, accuracy, and precision. Different instrumentation will be introduced as well as bench/manual methods. Competence will be evaluated based on final clinical evaluations. This practicum will take place at a clinical affiliate site that will be facilitated by the MLT (Medical Laboratory Technician) Program Director. This course must be successfully completed in order to take the national exam and qualify for a California state license.

Course Information

Transferability
Not transferable

Prerequisite(s)
HTEC 83 and HTEC 83A

Student Learning Outcomes
- Safely and accurately perform analytical procedures in Clinical Microbiology identifying normal and abnormal lab tests and factors affecting results and take appropriate action.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	18.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	216.0	**Laboratory**	0.0
Total	216.0	**Total**	0.0

HTEC 184
Clinical Immunology/Immunohematology Practicum

4.5 Units

Provides entry-level clinical laboratory practice/experience in the department of serology and blood banking. Emphasis is placed on technique, accuracy, and precision. Different instrumentation will be introduced as well as bench/manual methods. Competence will be evaluated based on final clinical evaluations. This practicum will take place at a clinical affiliate site that will be facilitated by the MLT (Medical Laboratory Technician) Program Director. This course must be successfully completed in order to take the national exam and qualify for a California license.

Course Information

Transferability
Not transferable

Prerequisite(s)
HTEC 84 and HTEC 84A

Student Learning Outcomes
- Safely and accurately perform analytical procedures in Clinical Immunology/ Immunohematology identifying normal and abnormal lab tests and factors affecting results and take appropriate action.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	13.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	162.0	**Laboratory**	0.0
Total	162.0	**Total**	0.0

HTEC 185
Clinical Chemistry Practicum

6.0 Units

Provides entry-level clinical laboratory practice/experience in the department of general and special chemistry. Emphasis is placed on technique, accuracy, and precision. Different instrumentation will be introduced as well as bench/manual methods. Competence will be evaluated based on final clinical evaluations. This practicum will be conducted at a clinical affiliate site that will be facilitated by the MLT (Medical Laboratory Technician) Program Director. This course must be successfully completed in order to take the national exam and qualify for a California license.

Course Information

Transferability
Not transferable

Prerequisite(s)
HTEC 85B and HTEC 85D

Student Learning Outcomes
- Safely and accurately perform analytical procedures in Clinical Chemistry department identifying normal and abnormal lab tests and factors affecting results and taking appropriate action.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	18.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	216.0	**Laboratory**	0.0
Total	216.0	**Total**	0.0

HUMA 10
Human Sexuality

4.0 Units

This course is a comprehensive study of the biological, psychological, and socio-cultural aspects of human sexuality. Students will explore the values and attitudes, and their relationship to behaviors and behavioral changes, with an assessment of various cultural mores and current safe sex practices.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Examine and synthesize the social, cultural and physiological implications in the field of human sexuality; and demonstrate the ability to analyze and respond to complex issues related to human sexuality in all assignments.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMA 10H
Human Sexuality - HONORS

4.0 Units

This course is a comprehensive study of the biological, psychological, and socio-cultural aspects of human sexuality. Students will explore the values and attitudes, and their relationship to behaviors and behavioral changes, with an assessment of various cultural mores and current safe sex practices. Because this is an honors program course, students will focus on critical thinking abilities, the demand for discussions, and clear argumentation. A written analysis is explored at a greater depth and students will complete extra assignments to gain a deeper insight into Human Development.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Examine and synthesize the social, cultural and physiological implications in the field of human sexuality; and demonstrate the ability to analyze and respond to complex issues related to human sexuality in all assignments.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMA 20
Life Skills for Higher Education

4.0 Units

A multitude of life skills and strategies for success, with emphasis on attaining professional, personal and academic goals in a diverse society will be addressed. Topics covered include creative and realistic goal setting, academic and life management, cultural relevant learning styles, college and community resources, library and internet use, time management, and techniques to reduce math and science anxiety. Evaluation and application of academic study methods to achieve subject matter mastery. Development of critical thinking skills, and application of reading, writing, note taking and test taking methods to improve personal strategies. Exploration of personal lifestyle and health factors, including the causes and management of stress, as it relates to academic success. Assessment of academic and career goals, selection of majors, and development of education plans.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Synthesize and construct a plan with identified strategies to increase success in college and life. Plan includes topics such as: goal setting, time & money management,learning style, major/career selection and communication.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)

12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMA 30
Understanding and Managing Stress

4.0 Units

The course will examine the study of stress as the interaction between the individual and the environment, viewed from psychological, sociological, and physiological perspectives, including gender, physical and psychological disabilities, sexual orientation, multicultural, holistic health, and global concerns.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly HUMA D050.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Assess the student's perceived stress level based on their own life circumstances.
- Develop and apply stress management strategies that can be used to reduce their stress level.
- Distinguish and list the physiological symptoms when under stress and critique its impact on the body.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMI 1
Creative Minds

4.0 Units

This course is an introduction to the study of creativity in human life; its sources, development, social purpose, and role in culture change. Students analyze creativity as a central source of meaning and purpose in their lives as well as a development of their unique combination of human intelligences. Lives of creative people from all over the world are examined and contextualized. The course builds commitment to civic and moral responsibility for diverse, equitable, healthy and sustainable communities. Students engage themselves as members of larger social fabrics and develop the abilities and motivation to take informed action for change.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Synthesize critical thinking, imaginative, cooperative, and empathetic abilities as whole persons in order to contextualize knowledge, interpret and communicate meaning, and cultivate their capacity for personal, as well as social change.
- Cultivate and demonstrate an awareness of the power of creativity and the potential of the creative process through direct involvement.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMI 1H
Creative Minds - HONORS

4.0 Units

This course is an introduction to the study of creativity in human life; its sources, development, social purpose, and role in culture change. Students analyze creativity as a central source of meaning and purpose in their lives as well as a development of their unique combination of human intelligences. Lives of creative people from all over the world are examined and contextualized. The course builds commitment to civic and moral responsibility for diverse, equitable, healthy and sustainable communities. Students engage themselves as members of larger social fabrics and develop the abilities and motivation to take informed action for change. Because this is an honors course, students will be expected to complete additional assignments of greater depth and breadth, or order to gain increased insight into the study of creativity.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Synthesize critical thinking, imaginative, cooperative, and empathetic abilities as whole persons in order to contextualize knowledge, interpret and communicate meaning, and cultivate their capacity for personal, as well as social change.
- Cultivate and demonstrate an awareness of the power of creativity and the potential of the creative process through direct involvement.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMI 2
But is it Art? Questions and Criticism

4.0 Units

A cross-cultural, interdisciplinary introduction to aesthetics - theories about what art is, its functions and value, and the ways we experience it. Examines historical and contemporary views on visual and performing arts. Explores distinctions between "fine" and popular art, and varieties of deviant or shocking art. Primary focus will be on the visual arts and how they enrich our lives.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Students synthesize their critical thinking, imaginative, cooperative, and empathetic abilities as whole persons in order to contextualize knowledge and practice active agency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMI 5
Storytelling in American Culture

4.0 Units

This course critically examines how stories are told, memories are selected, organized, transformed, contested, and retold among different racial and ethnic groups within the United States, during the 20th and 21st centuries. The stories of primarily Native Americans, African Americans, Asian Americans, and Latinx peoples in conversation with White Supremacy. The course articulates and critically analyzes concepts including race, racism, racialization, ethnicity, ethnocentrism, Eurocentrism, white supremacy, equity, self-determination, resistance, liberation, decolonization, sovereignty, imperialism, settler colonialism, and anti-racism.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Students synthesize their critical thinking, imaginative, cooperative, and empathetic abilities as whole persons in order to contextualize knowledge, interpret and communicate meaning, and cultivate their capacity for personal, as well as social change.
- Students will identify, facilitate, and communicate the various concepts, themes, intersections and components of storytelling among the different racial and ethnic groups within the United States during the 20th and 21st centuries.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMI 6
Popular Culture

4.0 Units

This course utilizes the methods of the humanities in a critical analysis of popular culture. This inquiry is framed in multicultural, historical and political contexts and will evaluate how popular culture is created and sustained by mass media and techniques of mass production, marketing, and distribution. Students examine how social meaning is constructed by the "texts" of popular culture in a constantly changing era of globalization of information and economies.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Synthesize critical thinking, imaginative, cooperative, and empathetic abilities as whole persons in order to contextualize knowledge, interpret and communicate meaning, and cultivate their capacity for personal, as well as social change.
- Analyze and interpret the value and meaning of the "texts" of popular culture in order to characterize the functions of pop culture media as not only entertainment but political and social commentary and artifacts of historical context.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMI 7
The Arts and the Human Spirit

4.0 Units

Explores the expression of spiritual and religious thought and aspiration in the arts. Examines religious art in various media in particular, and analyzes the roles of creativity and spirituality in the arts in general. Critical, reflective and experiential in approach.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Synthesize critical thinking, imaginative, cooperative, and empathetic abilities as whole persons in order to contextualize knowledge, interpret and communicate meaning, and cultivate capacity for personal, as well as social change.
- Interpret and communicate the correlations between creativity, spirituality and artistic expression.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMI 9
Introduction to Comparative Religion

4.0 Units

An interdisciplinary examination and comparison of the religious dimensions of human life: history, terminology, emotional experiences, concepts, attitudes, images, material expressions, conflicts, myths, metaphors, symbols, perceptions of nature and the natural environment and rituals relating to the particular social context of each tradition. Emphasis will be placed on the numerous practices and perspectives of women and men throughout time and from different cultures regarding their sense of the sacred.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Synthesize critical thinking, imaginative, cooperative, and empathetic abilities as whole persons in order to contextualize knowledge, interpret and communicate meaning, and cultivate capacity for personal, as well as social change.
- Develop understanding between persons of various religious traditions.
- Critique the complexities within each religious tradition in order to engage others in meaningful dialogue regarding values and controversies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMI 9H
Introduction to Comparative Religion - HONORS

4.0 Units

An interdisciplinary examination and comparison of the religious dimensions of human life: history, terminology, emotional experiences, concepts, attitudes, images, material expressions, conflicts, myths, metaphors, symbols, perceptions of nature and the natural environment and rituals relating to the particular social context of each tradition. Emphasis will be placed on the numerous practices and perspectives of women and men throughout time and from different cultures regarding their sense of the sacred. As participants in an honors course, students will be expected to complete additional assignments of greater depth and breadth, in order to gain increased insight into the field of Comparative Religion.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Synthesize critical thinking, imaginative, cooperative, and empathetic abilities as whole persons in order to contextualize knowledge, interpret and communicate meaning, and cultivate capacity for personal, as well as social change.
- Develop understanding between persons of various religious traditions.
- Critique the complexities within each religious tradition in order to engage others in meaningful dialogue regarding values and controversies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMI 10
Global Religious Perspectives: Judaism, Christianity and Islam

4.0 Units

This is a historically grounded and contemporary focused examination of the religious elements and experiences essential to the formation of the western worldview. Ancient and current perspectives from Africa, the Americas, Asia, Europe, the Middle-East, and Oceania will be important, while Judaism, Christianity, and Islam will be the central focus.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Students synthesize their critical thinking, imaginative, cooperative, and empathetic abilities as whole persons in order to contextualize knowledge, interpret and communicate meaning, and cultivate their capacity for personal, as well as social change.
- Students will facilitate understanding between persons of various religious traditions.
- Students will critique the complexities within each religious tradition in order to engage others in meaningful dialogue regarding values and controversies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMI 13

Introduction to Korean Popular Culture

4.0 Units

This course is an interdisciplinary introduction to contemporary Korean popular culture which explores modern Korean society across a wide range of themes such as identity, gender/sexuality, love/marriage, family and social value systems. It examines the multi-levels of the socio-construction of modern Korean society through TV drama (soap opera), film, and pop music. Also, it explores the unique patterns of Korean culture and Korean cultural issues related to contemporary Asian societies and global issues.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(ASAM D041. was formerly INTL D013.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Identify the impact of social, historical, political contexts on visual and musical expression illustrated in the case of Korean popular culture.
- Analyze the Korean cultural concept of body in terms of gender/ sexuality and the various cultural dimensions of Korean value system through self, love/marriage, and family.
- Evaluate the historical and contemporary relations of power between Western influences and Korean/Asian culture and analyze the circumstances and conditions of the Korean diaspora/emergence of Korean American identity and culture.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMI 15

Discussion on the Arts

4.0 Units

This is an interdisciplinary and multicultural introduction to the relationships between the arts and human experience. Painting, sculpture, architecture, music, dance, drama, literature, film, and photography will be explored to provide a forum for discussion on how the arts affect humanity, reflect the human spirit, touch the soul, and stimulate humankind's creativity. The focus will be on enhancing each student's ability to experience the uniqueness of each art form and to develop a depth of understanding of its expression and relevance.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Students synthesize their critical thinking, imaginative, cooperative, and empathetic abilities as whole persons in order to contextualize knowledge and practice active agency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMI 16

Arts, Ideas and Values

4.0 Units

Interdisciplinary introduction to artistic cultural studies. A critical analysis of the dynamic process through which contemporary cultural values and social constructions of gender, ethnicity, sexual orientation, social class, religion and globalization shape and have been shaped by artistic expression. Special emphasis is placed on art as a tool for social change.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Synthesize students' critical thinking, imaginative, cooperative, and empathetic abilities as whole persons in order to contextualize knowledge, interpret and communicate meaning, and cultivate their capacity for personal, as well as social change.
- Analyze the dynamic relationship between contemporary culture, artistic expression, and individual assumptions, beliefs and values.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMI 18

History as Mystery: A Critique of Western Perspectives in a Global Context

4.0 Units

As history reveals, it also conceals; so, what do historical narratives conceal? What kind of historical scripts might emerge from our descendants based on our current-cultural artifacts? This is an interdisciplinary discussion that identifies, examines, analyzes and critiques fundamental western concepts from aesthetics, history, philosophy, religion and science as representative of a perspective from an historical or cross-cultural context. Emphasis will be placed on how the past, present, and future have the potential to inform one another and are framed by perspective.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Synthesize students' critical thinking, imaginative, cooperative, and empathetic abilities as whole persons in order to contextualize knowledge, interpret and communicate meaning, and cultivate their capacity for personal, as well as social change.
- Recognize and facilitate the understanding that the telling of history is both a dynamic and a subjective process.
- Recognize, assemble, and appraise the assumptions underlying Western perspectives and values as a cultural belief system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMI 18H
History as Mystery: A Critique of Western Perspectives in a Global Context - HONORS

4.0 Units

As history reveals, it also conceals; so, what do historical narratives conceal? What kind of historical scripts might emerge from our descendants based on our current-cultural artifacts? This is an interdisciplinary discussion that identifies, examines, analyzes and critiques fundamental western concepts from aesthetics, history, philosophy, religion and science as representative of a perspective from an historical or cross-cultural context. Emphasis will be placed on how the past, present, and future have the potential to inform one another and are framed by perspective. As participants in an honors course, students will be expected to complete extra assignments, or an additional longer assignment, to gain deeper insight into critical theory and the humanities.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Synthesize students' critical thinking, imaginative, cooperative, and empathetic abilities as whole persons in order to contextualize knowledge, interpret and communicate meaning, and cultivate their capacity for personal, as well as social change.
- Recognize and facilitate the understanding that the telling of history is both a dynamic and a subjective process.
- Recognize, assemble, and appraise the assumptions underlying Western perspectives and values as a cultural belief system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMI 20
The Greek Achievement

4.0 Units

Critical examination and exploration of the intellectual and artistic achievements of the Ancient Greeks who created new cultural alternatives (experiences) and values in self-awareness, rationalism, community, education, ethics, and justice. Particular attention will be paid to these experiences and values which will be explored and analyzed through Greek art, architecture, science, philosophy, drama, poetry, and religion.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Students synthesize their critical thinking, imaginative, cooperative, and empathetic abilities as whole persons in order to contextualize knowledge, interpret and communicate meaning, and cultivate their capacity for personal, as well as social change.
- Evaluate the impact of other cultures on Greek society.
- Demonstrate how Greek culture has influenced the world.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

HUMI 77W
Special Projects in Humanities

1.0 Units

Individual and/or group projects in humanities that provide students with opportunities for increased depth of humanities scholarship and pedagogy.

Course Information

Transferability

Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Synthesize critical thinking, imaginative, cooperative and empathetic abilities as whole persons in order to contextualize knowledge, interpret and communicate meaning, and cultivate capacity for personal, as well as social change.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

HUMI 77X
Special Projects in Humanities

2.0 Units

Individual and/or group projects in humanities that provide students with opportunities for increased depth of humanities scholarship and pedagogy.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Synthesize critical thinking, imaginative, cooperative and empathetic abilities as whole persons in order to contextualize knowledge, interpret and communicate meaning, and cultivate capacity for personal, as well as social change.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

HUMI 77Y
Special Projects in Humanities

3.0 Units

Individual and/or group projects in humanities that provide students with opportunities for increased depth of humanities scholarship and pedagogy.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Synthesize critical thinking, imaginative, cooperative and empathetic abilities as whole persons in order to contextualize knowledge, interpret and communicate meaning, and cultivate capacity for personal, as well as social change.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

ICS 2A
Introduction to Peer Mentoring, Leadership, and Community Building

2.0 Units

This is an introduction to peer mentoring, including a focus on the social and historical context of educational practices, and the role of mentors in improving student success.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ICS D052A.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Analyze complex social issues and explain how they may affect students' educational outcomes.
- Explain historical and current educational practices in the United States as related to equity.
- Identify various programs, student services and campus resources designed for student success.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

ICS 2B
Practicum in Peer Mentoring, Leadership, and Community Building

2.0 Units

This is a practicum in peer mentoring, including a focus on interpersonal communication, assessment of student needs, and the implementation of appropriate strategies to improve student success.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ICS D052B.)

Prerequisite(s)
ICS 2A

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate effective interpersonal communication skills.
- Assess students' academic and/or personal needs; identify and implement appropriate strategies for addressing these needs.
- Collaboratively design and participate in civic engagement projects.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

ICS 7
Intercultural Communication

4.0 Units

Study of intercultural communication in domestic and global contexts. Examines how differing cultures, languages, and social patterns influence the way members of groups relate among themselves and with members of other ethnic and cultural groups. Emphasizes development of interpersonal skills for communicating effectively across cultures and encourages appreciation of diverse cultural voices.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(COMM D007. was formerly SPCH D007.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the Honors Program related course.)

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Explain and analyze culture and communication as both affect intercultural interactions, particularly stereotyping, prejudice, and discrimination.
- Evaluate and assess his/her own culture-specific verbal and nonverbal communication, through self-reflection and shared feedback.
- Demonstrate increased ability to competently interact with and adapt to persons of different cultural backgrounds, by applying intercultural communication concepts and skills to intercultural interactions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ICS 7H
Intercultural Communication - HONORS

4.0 Units

Study of intercultural communication in domestic and global contexts. Examines how differing cultures, languages, and social patterns influence the way members of groups relate among themselves and with members of other ethnic and cultural groups. Emphasizes development of interpersonal skills for communicating effectively across cultures and encourages appreciation of diverse cultural voices. As an honors course students will be expected to complete additional assignments to gain deeper insight in Intercultural Studies with an emphasis on interdisciplinary connections with Communication Studies.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(COMM D007H was formerly SPCH D007H.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Explain and analyze culture and communication as both affect intercultural interactions, particularly stereotyping, prejudice, and discrimination.
- Evaluate and assess his/her own culture-specific verbal and nonverbal communication, through self-reflection and shared feedback.
- Demonstrate increased ability to competently interact with and adapt to persons of different cultural backgrounds, by applying intercultural communication concepts and skills to intercultural interactions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ICS 12

An Introduction to African American Literature

4.0 Units

Surveys African American literature in all genres from the mid-eighteenth century to the present. Emphasizes the cultural, historical and social contexts of African American oral and literary expression. Studies writers such as Phillis Wheatley, Zora Neale Hurston, Langston Hughes, Richard Wright, Alice Walker and Toni Morrison.

Course Information

Transferability
Transferable to both UC and CSU

Student Learning Outcomes
- Students will analyze the methodology of selected African-American writers.
- Students will be able to compare and contrast the major themes presented by African-American writers.
- Students will have an understanding of the major African-American non-fiction writers.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ICS 16A

History of Africa to 1800

4.0 Units

This course discusses the history of Africa from the Paleolithic period to 1800. The course is an interdisciplinary survey of the emergence and development of African civilizations focusing on geographical, environmental economic, social, cultural and political issues.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Students will identify, critically evaluate, and interpret pre-history up to 1800 African primary documents to construct historical analysis.
- Students will demonstrate a geographical command of the continent of Africa.
- Students will understand the impact of pre-colonial Africa on world civilization.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ICS 16B

History of Africa from 1800 to the Present

4.0 Units

This course studies African history in the 19th, 20th, and 21st centuries. The course focuses the implications of European expansion into Africa, the emergence of African nationalist movements, the establishment of independent African nations, and African nations post-colonization.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Students will demonstrate and apply knowledge of 19th, 20th, and 21st century African history to construct defensible statements of meaning and evaluation about this period's developments.
- Students will identify, critically evaluate, and interpret 19th, 20th, ad 21st century African primary documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ICS 17

Critical Consciousness and Social Change

4.0 Units

This course is an exploration of the root causes of and solutions to social problems such as racism, capitalism, sexism, and gender-based oppression. Students will read classical and

contemporary authors on movements for social change, strategies for organizing, and the development of consciousness.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Apply theory and knowledge produced by Native American, African American, Asian American, and/or Latina and Latino American communities to describe the critical events, histories, cultures, intellectual traditions, contributions, lived-experiences and social struggles of those groups with a particular emphasis on agency and group-affirmation.
- Analyze critically analyze the intersections between a variety of systems of oppression as they relate to race, class, gender, sexuality, religion, spirituality, national origin, immigration status, ability, tribal citizenship, sovereignty, language, and/or age in Native American, African American, Asian American, and/or Latina and Latino American communities.
- Articulate and defend student's own position on at least one issue related to social change.
- Demonstrate an application of these tools to student's own actions and decisions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ICS 17H
Critical Consciousness and Social Change - HONORS

4.0 Units

This course is an exploration of the root causes of and solutions to social problems such as racism, capitalism, sexism, and gender-based oppression. Students will read classical and contemporary authors on movements for social change, strategies for organizing, and the development of consciousness. As an honors course the students will be expected to complete extra assignments to gain deeper insight into the subject matter.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Apply theory and knowledge produced by Native American, African American, Asian American, and/or Latina and Latino American communities to describe the critical events, histories, cultures, intellectual traditions, contributions, lived-experiences and social struggles of those groups with a particular emphasis on agency and group-affirmation.
- Analyze critically the intersections between a variety of systems of oppression as they relate to race, class, gender, sexuality, religion, spirituality, national origin, immigration status, ability, tribal citizenship, sovereignty, language, and/or age in Native American, African American, Asian American, and/or Latina and Latino American communities.
- Demonstrate an application of these tools to student's own actions and decisions.
- Articulate and defend student's own position on at least one issue related to social change.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ICS 19
Making a Difference: Transforming Relations of Nature, Community, and Power

4.0 Units

This course explores the relationships between nature, community, and power and their influence on political struggles and social movements. Students will engage in community-focused problem solving, personal reflection and career exploration. The course will use local examples to explore broader principles.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Analyze social, cultural, natural, and political realities.
- Analyze and evaluate community assets.
- Analyze and explore resources to make a difference in the issues of concern to the student.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ICS 25
Grassroots Democracy: Race, Politics and the American Promise

4.0 Units

Applied and theoretical learning for students of social justice, this course will examine race, culture and contradictions in the ideal of the American Dream through a comparative analysis of American experiences of migration. Particular emphasis will be on the historical experiences of European immigrants, African Americans, Mexican Americans, and Asian

Americans. The course will also discuss the contemporary social and cultural implications of the migration process. Using a multidisciplinary social science approach, attention will be given to issues of race, ethnicity, gender, class, and ecology as well as the role of the state (policy) to the process of migration and immigration.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Students will identify key events and experiences in the migration histories of African Americans, European Americans, Mexican Americans and Asian Americans.
- Students will identify and critically evaluate major conceptual issues regarding migration to and within the United States.
- Students will identify, critically evaluate, and compare contemporary legacy of migration histories.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ICS 26
Introduction to Lesbian, Gay, Bisexual, Transgender and Queer Studies

4.0 Units

This course provides interdisciplinary, multi-perspective, critical analysis and comparative study of the broad range of contemporary lesbian, gay, bisexual, transgender, and queer issues in various contexts, including biomedical, sociological, political, cultural, economic, racial, and sexual. This course will explore the relationship between LGBTQ individuals and the social and political constructs of gender, sexuality, citizenship, and identity as they relate to social and political institutions and national ideologies. The values, experience, and cultural contributions of LGBTQ individuals in the United States will be identified, examined, and authenticated.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ICS D096.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate awareness of assumptions, beliefs, values, and behaviors with regard to sexuality and gender identity.
- Understand the multiple identities within one's self and recognized the socializing forces of culture, privilege, and oppression in shaping our frames of reference in regards to sexuality and gender identity.
- Interact and discuss issues of sexuality and gender identity in a safe classroom learning environment.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ICS 27
Grassroots Democracy: Leadership and Power

4.0 Units

Applied and theoretical training for students of social justice, this course is a multidisciplinary exploration of social change and popular democratic action with a focus on the meaning and development of political power in modern democracies. Topics to be explored include: gender and race sensitive approaches to leadership style, institutional and mass forums for civic engagement, mass recruitment and mobilization, consciousness development, democratic ethics, and strategic and tactical action.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the Honors Program related course.)

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Students will develop models for understanding and evaluating effective leadership in contemporary and historical democratic social movements, including but not limited to community organizing, electoral campaigns, non-profit and social service organizations, and non-governmental organizations.
- Students will compare and appraise the contemporary and historical micro and macro social dynamics in which democratic grassroots leaders have usually operated.
- Students will demonstrate the capacity to participate in political processes and leadership techniques common in the effective exercise of democratic social movements.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0

Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ICS 27H

Grassroots Democracy: Leadership and Power - HONORS

4.0 Units

Applied and theoretical training for students of social justice, this course is a multidisciplinary exploration of social change and popular democratic action with a focus on the meaning and development of political power in modern democracies. Topics to be explored include: gender and race sensitive approaches to leadership style, institutional and mass forums for civic engagement, mass recruitment and mobilization, consciousness development, democratic ethics, and strategic and tactical action. As an honors course the students will be expected to complete extra assignments to gain deeper insight into the issues raised in this class.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Students will demonstrate the capacity to participate in political processes and leadership techniques common in the effective exercise of democratic social movements.
- Students will compare and appraise the contemporary and historical micro and macro social dynamics in which democratic grassroots leaders have usually operated.
- Students will develop models for understanding and evaluating effective leadership in contemporary and historical democratic social movements, including but not limited to community organizing, electoral campaigns, non-profit and social service organizations, and non-governmental organizations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ICS 35

Chicano/a, Latino/a Literature

4.0 Units

This course will survey Chicano/a, Latino/a literature in its various forms, with emphasis on contemporary authors, from the 1940s to the present.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Analyze and evaluate Chicano/a, Latino/a literature in the sociocultural context of Latino and American literary traditions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ICS 36

Grassroots Democracy: Social Movements Since the 1960s

4.0 Units

Applied and theoretical learning for students of social justice, this course is a comparative survey of protest movements since the 1960s. An introductory, comparative, and interdisciplinary study of Mexican American, African American, Asian American, and white working class social and political struggles from 1960 to the present. The course traces the development of protest movements in response to racial, class, gender, ecological and political inequality in the context of U.S. politics and history. The course critically examines the internal and external factors contributing to the rise and fall of social and political movements with special attention to the conjuncture of ecology, gender, race, ethnicity, culture, class, and sexual orientation in contemporary U.S. politics.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Students will investigate and identify key events and experiences of major social protest movements since the 1960's.
- Students will identify, appraise, and compare factors leading to the development of social protest consciousness in social protest movements since the 1960's with specific attention to issues of ethnicity, race, class, ecology and gender.
- Students will demonstrate the capacity to participate effectively in political processes and techniques common to social movements.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ICS 37
Ancient Peoples of Mesoamerica

4.0 Units

This is an introductory survey of the development of pre-contact Mesoamerican indigenous cultures, concluding with the Spanish invasion, conquest, and colonization of the Aztecs, Maya, and Zapotec peoples. The course commences with the earliest known evidence of human occupation in Mesoamerica, progressing through the development of agriculturally-based societies.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Distinguish and compare the diversity of cultures and the major sites, periods, and trends in the development of ancient Mexican civilizations.
- Distinguish and compare major artistic styles, belief systems, and indigenous concepts characteristic of the ancient Mexican people.
- Evaluate and critique current debates in the interpretation of ancient Mexican artistic, religious, and historical traditions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ICS 38A
Colonial Latin American History

4.0 Units

This course examines Colonial Latin America and its role in the Atlantic world (to 1825) including the independence movements. Themes in the course cover social, intellectual, and cultural developments, the impact of poverty, race and gender relations, and popular culture.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Demonstrate and apply a critical assessment, interpretation and understanding of Colonial Latin American history from the 1400s until the 1820s to construct defensible statements of meaning and evaluation about this period's developments.
- Analyze and interpret the significance of the term mestizaje as it pertains to the creating of the culture and society of Colonial Latin America.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ICS 38B
Modern Latin American History

4.0 Units

This course examines Latin American history from post-colonialism to the present (1810 to the present) and focuses on understanding the region as a diverse geographic, political, and social reality. Special attention will be given to the contributions of various peoples and cultures, human communities in arts and literature.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Describe and analyze the different paths taken by the Spanish New World Colonies to achieve independence.
- Describe, assess and interpret the different paths taken by the Independent Nations of Latin America to achieve modernization.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0

Total	48.0	**Total**	96.0

ICS 47

Introduction to Disability Studies

4.0 Units

Overview of all major categories and characteristics of disabilities. Physical, sensory, developmental and learning disabilities discussed. Interdisciplinary study of disability rights and justice movements and resulting policies and legislation that form framework of disability laws in the United States. Cultural/experiential aspects of disabilities from the perspectives of disabled individuals explored through readings and guest speakers. Contrasts disabled with non-disabled culture including cross-cultural perspectives of the disabled experience. Emphasis placed on recognition of strengths and abilities to provide strategies for instruction and accommodations.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Students will investigate and identify the experiences of disabled persons and the disability community in the United States.
- Students will evaluate and analyze the disability justice and disability rights movements over time and the passage of key pieces of legislation and policy impacting disabled persons in the United States.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ICS 77

Special Projects in Intercultural Studies

1.0 Units

Specific reading, writing or study projects within the discipline of Intercultural Studies.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Demonstrate, via a culmination of the aims and methods specified in sections 3, 4, and 5 of the Special Projects contract, a mastery of the relevant overarching concepts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

ICS 77X

Special Projects in Intercultural Studies

2.0 Units

Specific reading, writing or study projects within the discipline of Intercultural Studies.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Demonstrate, via a culmination of the aims and methods specified in sections 3, 4, and 5 of the Special Projects contract, a mastery of the relevant overarching concepts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

ICS 77Y

Special Projects in Intercultural Studies

3.0 Units

Specific reading, writing or study projects within the discipline of Intercultural Studies.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Demonstrate, via a culmination of the aims and methods specified in sections 3, 4, and 5 of the Special Projects contract, a mastery of the relevant overarching concepts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

ICS 77Z

Special Projects in Intercultural Studies

4.0 Units

Specific reading, writing or study projects within the discipline of Intercultural Studies.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Demonstrate, via a culmination of the aims and methods specified in sections 3, 4, and 5 of the Special Projects contract, a mastery of the relevant overarching concepts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

ICS 78

Special Group Projects in Intercultural Studies

0.5 Units

Special group projects that incorporate the theory and practice of issues within the field of Intercultural Studies.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Demonstrate, via a culmination of the aims and methods specified in sections 3, 4, and 5 of the Special Projects contract, a mastery of the relevant overarching concepts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

ICS 78W

Special Group Projects in Intercultural Studies

1.0 Units

Special group projects that incorporate the theory and practice of issues within the field of Intercultural Studies.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Demonstrate, via a culmination of the aims and methods specified in sections 3, 4, and 5 of the Special Projects contract, a mastery of the relevant overarching concepts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

ICS 78X

Special Group Projects in Intercultural Studies

2.0 Units

Special group projects that incorporate the theory and practice of issues within the field of Intercultural Studies.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Demonstrate, via a culmination of the aims and methods specified in sections 3, 4, and 5 of the Special Projects contract, a mastery of the relevant overarching concepts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

ICS 78Y

Special Group Projects in Intercultural Studies

3.0 Units

Special group projects that incorporate the theory and practice of issues within the field of Intercultural Studies.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes

- Demonstrate, via a culmination of the aims and methods specified in sections 3, 4, and 5 of the Special Projects contract, a mastery of the relevant overarching concepts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

ICS 78Z

Special Group Projects in Intercultural Studies

4.0 Units

Special group projects that incorporate the theory and practice of issues within the field of Intercultural Studies.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes

- Demonstrate, via a culmination of the aims and methods specified in sections 3, 4, and 5 of the Special Projects contract, a mastery of the relevant overarching concepts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

ICS 80

Community Based Learning in Intercultural Studies - Intrapersonal

0.5 Units

This course involves community engagement and reflection on how that engagement impacts one's own personal development.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes

- Reflect on how ones own personal development impacts community work.
- Analyze the impacts of doing community work on one's own personal development.
- Develop skills to make a difference in our communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

ICS 80W

Community Based Learning in Intercultural Studies - Intrapersonal

1.0 Units

This course involves community engagement and reflection on how that engagement impacts one's own personal development.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes

- Reflect on how ones own personal development impacts community work.
- Analyze the impacts of doing community work on one's own personal development.
- Develop skills to make a difference in our communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

ICS 80X

Community Based Learning in Intercultural Studies -

Intrapersonal

2.0 Units

This course involves community engagement and reflection on how that engagement impacts one's own personal development.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Reflect on how ones own personal development impacts community work.
- Analyze the impacts of doing community work on one's own personal development.
- Develop skills to make a difference in our communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

ICS 80Y

Community Based Learning in Intercultural Studies - Intrapersonal

3.0 Units

This course involves community engagement and reflection on how that engagement impacts one's own personal development.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Reflect on how ones own personal development impacts community work.
- Analyze the impacts of doing community work on one's own personal development.
- Develop skills to make a difference in our communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

ICS 80Z

Community Based Learning in Intercultural Studies - Intrapersonal

4.0 Units

This course involves community engagement and reflection on how that engagement impacts one's own personal development.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Reflect on how ones own personal development impacts community work.
- Analyze the impacts of doing community work on one's own personal development.
- Develop skills to make a difference in our communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

ICS 81

Community Based Learning in Intercultural Studies - Interpersonal

0.5 Units

This course provides students with practical work in a community, business, or civic institution and reflection on the interpersonal aspects of that engagement work.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Demonstrate an understanding of the ways interpersonal dynamics impact community work.
- Analyze the impacts of doing community work on one's interpersonal relationships.
- Develop skills to make a difference in our communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

ICS 81W

Community Based Learning in Intercultural Studies - Interpersonal

1.0 Units

This course provides students with practical work in a community, business, or civic institution and reflection on the interpersonal aspects of that engagement work.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes

- Demonstrate an understanding of the ways interpersonal dynamics impact community work.
- Analyze the impacts of doing community work on one's interpersonal relationships.
- Develop skills to make a difference in our communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

ICS 81X
Community Based Learning in Intercultural Studies - Interpersonal

2.0 Units

This course provides students with practical work in a community, business, or civic institution and reflection on the interpersonal aspects of that engagement work.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes

- Demonstrate an understanding of the ways interpersonal dynamics impact community work.
- Analyze the impacts of doing community work on one's interpersonal relationships.
- Develop skills to make a difference in our communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

ICS 81Y
Community Based Learning in Intercultural Studies - Interpersonal

3.0 Units

This course provides students with practical work in a community, business, or civic institution and reflection on the interpersonal aspects of that engagement work.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes

- Demonstrate an understanding of the ways interpersonal dynamics impact community work.
- Analyze the impacts of doing community work on one's interpersonal relationships.
- Develop skills to make a difference in our communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

ICS 81Z
Community Based Learning in Intercultural Studies - Interpersonal

4.0 Units

This course provides students with practical work in a community, business, or civic institution and reflection on the interpersonal aspects of that engagement work.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes

- Demonstrate an understanding of the ways interpersonal dynamics impact community work.
- Analyze the impacts of doing community work on one's interpersonal relationships.
- Develop skills to make a difference in our communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

ICS 82
Community Based Learning in Intercultural Studies - Systems

0.5 Units

This course provides students with practical work in a community, business, or civic institution and reflection on the implications of that engagement work on changing social systems.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes

- Demonstrate an understanding of the strategies needed to make significant systemic change.
- Analyze the aspects of organizing that lead to systemic change.
- Develop skills to make transformative change in our communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

ICS 82W
Community Based Learning in Intercultural Studies - Systems

1.0 Units

This course provides students with practical work in a community, business, or civic institution and reflection on the implications of that engagement work on changing social systems.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Demonstrate an understanding of the strategies needed to make significant systemic change.
- Analyze the aspects of organizing that lead to systemic change.
- Develop skills to make transformative change in our communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

ICS 82X
Community Based Learning in Intercultural Studies - Systems

2.0 Units

This course provides students with practical work in a community, business, or civic institution and reflection on the implications of that engagement work on changing social systems.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Demonstrate an understanding of the strategies needed to make significant systemic change.
- Analyze the aspects of organizing that lead to systemic change.
- Develop skills to make transformative change in our communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

ICS 82Y
Community Based Learning in Intercultural Studies - Systems

3.0 Units

This course provides students with practical work in a community, business, or civic institution and reflection on the implications of that engagement work on changing social systems.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Demonstrate an understanding of the strategies needed to make significant systemic change.
- Analyze the aspects of organizing that lead to systemic change.
- Develop skills to make transformative change in our communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

ICS 82Z
Community Based Learning in Intercultural Studies - Systems

4.0 Units

This course provides students with practical work in a community, business, or civic institution and reflection on the implications of that engagement work on changing social systems.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Demonstrate an understanding of the strategies needed to make significant systemic change.
- Analyze the aspects of organizing that lead to systemic change.
- Develop skills to make transformative change in our communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

INTL 5
Contemporary Global Issues

4.0 Units

This is an interdisciplinary introduction to contemporary global problems and issues, with emphasis on cultural events that impact all of our lives. Students will learn to explore, analyze and identify local solutions to global issues and problems, through the lens of intrapersonal, interpersonal, institutional, and cultural perspectives. The impact of race, ethnicity and inequality in world affairs, the processes of economic development and globalization, the environmental impacts of human activities, and people's experiences of war and peace will be analyzed. Consideration of various cultural points of view on processes of interdependent changes in our lives at global, regional, national, and local levels will be encouraged.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Analyze cultural, political, social and economic dimensions of global issues and problems.
- Critique the formal and informal structures which dominate global interactions, including the World Bank, IMF, WTO, as well as informal structures such as the drug trade, human trafficking, and flows of people who are both immigrants and refugees.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

INTL 8
Sociology of Globalization and Social Change

4.0 Units

An introduction to the sociological study of globalization and other forms of social change. Macrosociological analysis of economic, political, military, cultural, technological, and environmental aspects of globalization; history of globalization, European colonialism and decolonization processes; impact of multinational corporations and global political and financial institutions, and social movements from cross-cultural and global perspectives.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Develop a sociological imagination, which is the ability to evaluate the effects of cultural, structural, historical, geographical, institutional and stratification processes on groups and individuals, including one's own experiences.
- Distinguish the sociological perspective from other sciences, including its methods, theories and empathetic standpoint.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

INTL 16
Multicultural Voices in Germany

4.0 Units

An interdisciplinary introduction to contemporary multicultural Germany through the lens of film, literature, and music. A critical analysis of how filmmakers, writers, and other artists from Afro-German, Turkish-German, and other backgrounds are creating new modes of representation that engage with issues of marginalization, ethnicity, citizenship, cultural and linguistic hybridity, gender, post-colonialism, and national identity in the unique German cultural and political context. Course conducted in English.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Identify the impact of social, historical, political contexts on artistic expression illustrated in the case of minority voices in contemporary German culture.
- Analyze the range of expressions of identity negotiations of minority voices in the unique context of German culture, politics, and history. Examine issues of multilingualism, identity politics, xenophobia, gender, and post-colonialism in the specific German cultural context.
- Analyze and evaluate the historical and contemporary relations of power between minority and majority voices in German culture. Analyze the impact of different political cultures in Germany on the construction of identities of minority communities.
- Compare and contrast the different genres, modes of representation, and themes of minority artists in Germany.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

INTL 21

History of Art: Native Arts of Mesoamerica and the Andes

4.0 Units

A general introduction to the visual arts of the indigenous cultures of Mesoamerica, an area extending from northern Mexico through Central America, and the Andean region of South America. This course covers diverse art forms, including architecture, ceramics, weaving, painting and sculpture from antiquity to the present with emphasis upon the Pre-Columbian past. Topics addressing the religious, cultural, social, economic and political contexts of the art will be explored. Compares indigenous arts of the Americas to other world art traditions and assesses the contributions of indigenous cultures in a global context.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Investigate and validate the artistic contributions of Mesoamerican and Andean cultures, critically comparing these contributions from diverse indigenous peoples of the Americas.
- Develop an increased awareness and appreciation for diverse worldviews and artistic expressions, while critiquing misconceptions and stereotypes and assessing the relevancy of traditional Mesoamerican and Andean art forms in a current global context.
- Critically analyze and evaluate diverse scholarly perspectives in Mesoamerican and Andean art history.
- Apply skills demonstrating their abilities to analyze artworks on the basis of social, cultural, political, economic and/or ethnic contexts and issues relevant to gender studies.
- Demonstrate critical thinking and visual literacy skills through oral communication.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

INTL 22

History of Art: Arts of Africa, Oceania and Native North America

4.0 Units

A general introduction to some of the many indigenous art traditions around the world, with emphasis placed upon traditional arts created for use in small-scale communities from the Americas, South Pacific region and Africa. Diverse art forms covered will include sculpture, painting, performance, ceramics, textiles and architecture from antiquity through the colonial period to the present. Topics addressing the religious, cultural, social, economic,and political contexts of the art, as well as the impact of colonialism and representations of indigenous arts in museums, will be explored. Compares arts from indigenous peoples to other world art traditions and assesses the contributions of indigenous arts in a global context.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Students will investigate and validate the artistic contributions of indigenous cultures from around the world, critically comparing these contributions from diverse indigenous peoples.
- Students will develop an increased awareness and appreciation for diverse worldviews and artistic expressions, while critiquing misconceptions and stereotypes and assessing the relevancy of traditional indigenous art forms in a current global context.
- Students will critically analyze and evaluate diverse scholarly perspectives addressing indigenous arts and cultures.
- Students will demonstrate their abilities to analyze artworks on the basis of social, cultural, political, economic and/or ethnic contexts and issues relevant to gender studies.
- Students will demonstrate critical thinking and visual literacy skills through oral communication.
- Students will write a research paper utilizing her or his ability to analyze, evaluate and synthesize primary and secondary sources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

INTL 33

Introduction to Peace and Conflict Studies

4.0 Units

This course is an introduction to the study of peace and conflict studies. Students will examine and acquire knowledge and skills related to the role of domestic and international norms and the underlying political, economic, and social systemic structures that undergird institutions and states; the impact of religious, philosophical, social, and cultural influences; and the processes and sources of both personal and social change as they relate to framing, cultivating and sustaining peace, culminating in the examination and identification of factors that attend conflict and violence with the intention of applying this understanding toward the prevention, de-escalation, and transformation of conflicts.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability

Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Develop a deep understanding of the processes that create and perpetuate peace and conflict at the intrapersonal, interpersonal, institutional, social, and global levels.
- Analyze, evaluate, and apply theories of and approaches to both positive peace and conflict transformation at the intrapersonal, interpersonal, institutional, social, and global conflicts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

ITAL 1
Elementary Italian (First Quarter)

5.0 Units

This course is an introduction to the language and cultures of Italian-speaking countries and communities. Basic speaking, listening, reading, and writing skills at the first level of elementary Italian will be developed within the framework of language as a fundamental expression of culture. Italian is the primary language of instruction. Language practice and assignments, online or at home, will be an integral part of instruction supporting the development of language skills in the area of pronunciation, structure, and communicative skills.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate a working command of essential vocabulary and language structures necessary to request and provide, orally and in writing, basic/simple information relating to high-frequency situations in familiar contexts such as greetings, introductions, and leave-taking; talking about family members, daily activities, routines and hobbies, expressing (dis)likes and describing future plans.
- Derive meaning from short, simple texts on familiar topics, relying on contextual clues to extract the gist and some detail.
- Compose comprehensible, simple phrases or sentences about familiar topics to reflect a working command of core vocabulary and language structures and cultural competence.
- Demonstrate a cursory grasp of social protocols and contributions of Italian-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ITAL 2
Elementary Italian (Second Quarter)

5.0 Units

This course is a further development of material presented in ITAL 1, continuing an introduction to the language and cultures of Italian-speaking countries. Basic speaking, listening, reading, and writing skills at the second level of elementary Italian will be developed within the framework of language as a fundamental expression of culture. Italian is the primary language of instruction. Language practice and assignments, online or at home, will be an integral part of instruction supporting the development of language skills in the area of pronunciation, structure, and communicative skills.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ITAL 1 (equivalent to one year of high school Italian) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate a greater working command of essential vocabulary and language structures necessary to request and provide, orally and in writing, an increasing range of basic/simple information relating to high-frequency situations in familiar contexts such as shopping for clothes, transportation, making appointments, school life, health and well-being.
- Derive meaning from short, simple texts on familiar topics, relying on contextual clues to extract the gist and an increasing amount of detail.
- Compose comprehensible, simple sentences about familiar topics to reflect a greater working command of core vocabulary and language structures.
- Demonstrate a deeper grasp of social protocols and contributions of Italian-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

ITAL 3
Elementary Italian (Third Quarter)

5.0 Units

This course continues the development of elementary language skills for oral and written communication, using language structures and functions targeted for the third level of elementary Italian. Italian is the working language of the course. The focus will be on greater structural accuracy and communicative competence within the framework of language as a fundamental aspect of culture. Online language practice and assignments will be an integral part of instruction, supporting the development of language skills in the areas of pronunciation, structure, syntax, and oral communication.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
ITAL 2 (equivalent to two years of high school Italian) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate a somewhat consistent working command of essential vocabulary and language structures necessary to request and provide, orally and in writing, a more complex/abstract range of information relating to high-frequency situations in familiar contexts.
- Derive meaning from longer, simple texts on familiar topics, relying on contextual clues to extract main ideas and supporting details.
- Compose comprehensible, more complex sentences about familiar topics to reflect a somewhat consistent working command of core vocabulary and language structures.
- Demonstrate an increasingly accurate grasp of social protocols by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

JAPN 1

Elementary Japanese (First Quarter)

5.0 Units

An introduction to the language and the culture of Japan. Emphasis will be on language as the primary expression of culture and a medium of communication. Four language skills (listening, speaking, reading and writing), as well as sociocultural knowledge which plays an important role in communicating in the target language, will be developed. Japanese will be the major language of instruction. Oral practice based on an understanding of the language structure will also be emphasized. Mastering of two of the Japanese syllabic writing systems, hiragana and katakana, and 29 kanji (Chinese characters) is required.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate a working command of essential vocabulary and language structures necessary to request and provide, orally and in writing (recognize and reproduce 46 Japanese syllable-based Hiragana and Katakana characters respectively) as well as 29 kanji (Chinese characters), basic/simple information relating to high-frequency situations in familiar contexts such as greetings, introductions, school, dating, and invitations.
- Derive meaning from short, simple texts on familiar topics, relying on contextual clues to extract the gist and some detail.
- Compose comprehensible, simple phrases or sentences about familiar topics to reflect a working commnad of core vocabulary and language structures.
- Demonstrate a cursory grasp of social protocols and contributions of Japanese culture, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

JAPN 2

Elementary Japanese (Second Quarter)

5.0 Units

A continuation of the introduction to the Japanese language and culture, with the further development of materials presented in JAPN D001. Emphasis will be on acquisition of second-quarter beginner level of four language skills (listening, speaking, reading and writing) as well as sociocultural knowledge which plays an important role in communicating in the target language. Japanese is the major language of instruction. Oral practice based on an understanding of the language structure will also be emphasized. In addition to practicing two of the Japanese syllabic writing systems, hiragana and katakana, and 29 kanji, 57 more kanji, Sino-Japanese characters will be introduced.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
JAPN 1 (equivalent to one year of high school Japanese) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate a greater working command of essential vocabulary and language structures necessary to request and provide, orally and in writing (recognize and reproduce a total of 86 Kanji), an increasing range of basic/simple information relating to high-frequency situations in familiar contexts such as traveling, visiting friends, weather, directions, college student's life, description, family and foods.
- Derive meaning from short, simple texts on familiar topics, relying on contextual clues to extract the gist and an increasing amount of detail.
- Compose comprehensible, simple sentences about familiar topics to reflect a greater working command of core vocabulary and language structures.
- Demonstrate a deeper grasp of social protocols and contributions of Japanese culture, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

JAPN 3

Elementary Japanese (Third Quarter)

5.0 Units

A continuation of the introduction to the Japanese language and culture with further development of materials presented in JAPN D001. and JAPN D002. Emphasis will be on acquisition of the third-quarter high beginner level of four language skills (listening, speaking, reading and writing) as well as sociocultural knowledge which plays an important role in communicating in the target language. Oral practice based on an understanding of the language structure will be further emphasized. Fifty-nine more kanji, Sino-Japanese characters will be introduced. Students are expected to integrate three writing systems in order to demonstrate authentic writing skills.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
JAPN 2 (equivalent to two years of high school Japanese) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate a somewhat consistent working command of essential vocabulary and language structures necessary to request and provide, orally and in writing (recognize and reproduce additional 59 Kanji), a more complex/abstract range of information relating to high-frequency situations in familiar contexts such as public transportation in Japan, Japanese traditional culture, climate, classroom, and health.
- Derive meaning from longer, simple texts on familiar topics, relying on contextual clues to extract main ideas and supporting details.
- Compose comprehensible, more complex sentences about familiar topics to reflect a somewhat consistent working command of core vocabulary and language structures.
- Demonstrate an increasingly accurate grasp of social protocols and contributions of Japanese culture, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

JAPN 4
Intermediate Japanese (First Quarter)

5.0 Units

The first-quarter of intermediate Japanese. Introduces the Japanese language and culture with the further development of materials presented in JAPN D003. The emphasis will be on acquisition of the first-quarter low intermediate level of four language skills (listening, speaking, reading and writing) as well as the sociocultural knowledge which plays an important role in communicating in the target language. Oral practice is based on an understanding of the language structures which will also be further emphasized. Sixty-four more kanji, Sino-Japanese characters will be introduced. Students will develop low intermediate level reading strategies and writing skills, integrating hiragana, katakana and kanji.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
JAPN 3 (equivalent to three years of high school Japanese) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate an increasingly consistent command of essential vocabulary and language structures necessary to request and provide, orally and in writing (recognize and reproduce additional 64 Kanji), an expanding range of somewhat sophisticated information such as looking for a job, banking system in Japan, annual events in Japan, trips to various cities, lost and found, and gift-giving in Japan.
- Derive meaning from longer texts of increasing complexity, [relying less on contextual clues] to extract main ideas and supporting details, and to interpret some subtleties of the text.
- Compose comprehensible, paragraph-level discourse about familiar topics to reflect an increasingly consistent command of vocabulary and language structures.
- Demonstrate an increasingly accurate grasp of the subtleties in the idiosyncracies of Japanese culture, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

JAPN 5
Intermediate Japanese (Second Quarter)

5.0 Units

The second-quarter of intermediate Japanese. Introduces the Japanese language and culture with further development of materials presented in JAPN D004. The emphasis will be on acquisition of the second-quarter intermediate level of four language skills (listening, speaking, reading, and writing) as well as the sociocultural knowledge which plays an important role in communicating in the target language. Oral practice is based on an understanding of the language structures which will also be emphasized. Sixty-two more kanji, Sino-Japanese characters will be introduced. Students will develop intermediate level reading strategies and writing skills integrating hiragana, katakana, and kanji.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
JAPN 4 (equivalent to four years of high school Japanese) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate a somewhat sustained command of vocabulary and language structures necessary to spontaneously request and provide, orally and in writing (recognize and reproduce additional 62 Kanji), a greater range of more sophisticated information such as work place, part-time jobs, sushi, visiting someone's home, and locations.
- Derive meaning from texts of greater sophistication, to interpret an expanding range of subtleties of the structure and content of the text.
- Compose extended, paragraph-level discourse about familiar topics to reflect a somewhat sustained command of vocabulary and language structures.
- Demonstrate a noticeably accurate grasp of the subtleties in the idiosyncracies of Japanese culture, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

JAPN 6
Intermediate Japanese (Third Quarter)

5.0 Units

The third-quarter of intermediate Japanese. Introduces the Japanese language and culture with further development of materials presented in JAPN D005. The emphasis will be on acquisition of the high intermediate level of four language skills (listening, speaking, reading and writing) as well as the sociocultural knowledge which plays an important role in communicating in the target language. Oral practice based on an understanding of the language structures should also be emphasized. Forty-six more kanji, Sino-Japanese

characters will be introduced. Students will develop high intermediate level reading strategies and writing skills integrating hiragana, katakana, and kanji.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
JAPN 5 or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate a sustained command of vocabulary and language structures necessary to spontaneously and accurately request and provide information, orally and in writing (recognize and reproduce additional 46 Kanji), about a wide variety of topics such as crimes, accidents, religion in Japan, Japan's Educational system, and Japanese Proverbs.
- Derive meaning from increasingly abstract texts, to interpret a wide range of subtleties of the structure and content of the text.
- Compose longer and more accurate discourse about familiar topics to reflect a sustained command of vocabulary and language structures.
- Demonstrate a steady grasp of the subtleties in the idiosyncracies of Japanese culture, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

JOUR 2
Media and Its Impact On Society

4.0 Units

A survey of the mass media's cultural and industrial functions in society. Introduction to methods of studying how media systems developed historically and how they are evolving in the U.S. and globally, as well as how people use and make meaning with media as part of everyday life. Methods and theories to understand media's social, economic and political impact, considering media production, forms, reception, and influence. Ethical and legal implications of media including print, film, recorded music, TV, video gaming and online media. Interplay of media and gender, ethnic and minority communities.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Evaluate the role, power and influence of mass media industries in the U.S. and globally.
- Analyze the development, history, operation, culture and economics of media industries.
- Analyze and critique the impact of mass media in society and articulate controversies surrounding each medium, including legal and ethical issues and the roll of women and minorities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

JOUR 21A
News Writing and Reporting

3.0 Units

Instruction and practice in reporting and the fundamentals of news writing for media, with analysis of typical news stories. Concentration on the language and style of news writing; organization and structure of news stories; the lead and the basic story types. Practical writing experience.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Judge and rank characteristics of a news story; define and execute newsgathering strategies.
- Synthesize important details to create the lead for a news story; write complex news articles using the inverted pyramid and other formats suitable for different platforms.
- Evaluate, access and interview sources to report a multi-source news story and develop it for publication in print or online.
- Demonstrate the use of ethical and legal principles in reporting and writing a news story.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

JOUR 21B
Feature Writing and Reporting

3.0 Units

Fundamentals in feature writing for newspapers, magazines, and other media with instruction and practice in profile, human interest, enterprise news, and opinion features. Practical experience in interviewing, writing special story types and revising.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
JOUR 21A

Student Learning Outcomes

- Appraise and critique feature stories for originality, sourcing and writing style.

- Report and write original multi-source feature stories including incorporating ethical and legal principles and defending the use of sources.
- Produce opinion and critique stories using students' own observations and sourcing.
- Demonstrate how to present feature stories in non-print formats.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

JOUR 61A
Student News Media Production I

3.0 Units

Practical experience in creating basic news and feature content as members of the college newspaper, magazine or online media staff.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly JOUR D061.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
F/TV 20

Student Learning Outcomes
- Create content for publication online or in print using multiple sources.
- Report and write news, feature and opinion pieces using appropriate sources and following ethical guidelines and journalistic conventions for student news media.
- Describe and apply legal and ethical aspects of student news media.
- Develop a portfolio of basic assignments in at least two areas (print, online, multimedia, video, photo) suitable for publication in a newspaper or for a news organization website.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

JOUR 61B
Student News Media Production II

3.0 Units

Practical experience in creating longer and complex news, feature and visual content as a member of the college newspaper, magazine or online media staff.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
JOUR 61A

Student Learning Outcomes
- Report and write complex multiple-source stories, series, and/or packages for publication online or in print; and/or follow a defined beat.
- Continue developing appropriate sources and follow ethical guidelines and journalistic conventions for student news media.
- Describe and apply legal and ethical aspects of aspects of news media.
- Develop a portfolio of complex assignment in at least two areas (print, online, multimedia, photo, video) suitable for publication in a newspaper or for a news organization website.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

JOUR 61C
Editorial Leadership for Student News Media

3.0 Units

Practical experience in planning, assigning, editing and placing print, video and/or web content as members of the college newspaper, magazine or media staff.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
JOUR 61A

Student Learning Outcomes
- Apply editing skills to news, feature and opinion pieces for a student-led print newspaper, broadcast and/or website following ethical guidelines and journalistic conventions.
- Develop leadership skills while assigning and working with peers (reporters and photographers and/or fellow editors) as they create content for student media.
- Develop a digital portfolio of work suitable for presentation on a news organization website or broadcast.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

JOUR 62A
Freelance Reporting for Student Media

1.0 Units

Practical experience contributing as a freelance reporter to the college newspaper and/or digital media as a reporter.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Develop news, feature, sports or opinion stories for a student media outlet, suitable for publication or presentation.
- Demonstrate the ability to complete assignments within specified deadlines.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

JOUR 62B
Freelance Photography for Student Media

1.0 Units

Practical experience contributing as a freelance photographer to the college newspaper and/or digital media as a reporter.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
PHTG 4

Student Learning Outcomes
- Complete news photography assignments suitable for publication or online presentation following ethical and journalistic guidelines.
- Demonstrate the ability to communicate effectively and complete assignments within specified deadlines.
- Develop and propose ideas for photographic assignments for student news media.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

JOUR 62C
Freelance Video Production for Student Media

1.0 Units

Practical experience contributing as a freelance video reporter or producer for the college news media.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
F/TV 20

Student Learning Outcomes
- Develop video stories for student news media, suitable for online or broadcast presentation.
- Demonstrate the ability to complete assignments within specified deadlines.
- Develop and propose suitable ideas for video assignments for student news media.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

JOUR 62D
Freelance Digital Production for Student Media

1.0 Units

Practical experience contributing as a freelance digital content producer to the college news media.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Develop digital content for a student media suitable for online presentation.
- Student Learning Outcome: Demonstrate the ability to communicate effectively and complete assignments within specified deadlines.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

JOUR 62E
Freelance Graphic Production for Student Media

1.0 Units

Practical experience contributing as a graphic news producer to the college newspaper and/or digital media as a reporter.

Course Information

Transferability

Transferable to CSU only

Advisory(ies)
ARTS 53

Student Learning Outcomes
- Develop graphic content for a media outlet, suitable for publication or online presentation.
- Demonstrate the ability to complete assignments within specified deadlines.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

JOUR 62F
Freelance Copy Editing for Student Media

1.0 Units

Practical experience contributing as a copy editor for the college newspaper and/or digital media.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Edit copy for student news media following ethical and journalistic guidelines.
- Demonstrate the ability to complete assignments within specified deadlines.
- Demonstrate understanding of copy editing for grammar, spelling, AP style and journalistic conventions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

JOUR 77W
Special Projects in Journalism

1.0 Units

Special research, writing or study projects in Journalism as determined in consultation with the department chair. Can be used by students producing media content as part of an internship or other special projects.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Demonstrate the ability to apply tools and technologies appropriate for the creation and production of media content.
- Demonstrate and apply journalistic responsibility while creating and producing media content.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

JOUR 78W
Special Topics in Journalism

1.0 Units

Intensive study and analysis of a special topic in Journalism. Subjects vary.
(Complexity of topic determines the number of units assigned.)

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Analyze theoretical foundations of a specific journalism/media topic, its importance within the discipline, and current scholarship and/or practices.
- Create a media product related to the topic, such as a project presented via video, blog or website.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

JOUR 78X
Special Topics in Journalism

2.0 Units

Intensive study and analysis of a special topic in Journalism. Subjects vary.(Complexity of topic determines the number of units assigned.)

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Analyze theoretical foundations of a specific journalism/media topic, its importance within the discipline, and current scholarship and/or practices.

- Create a media product related to the topic, such as a project presented via video, blog or website.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

JOUR 80
Introduction to Public Relations

4.0 Units

Explores the principles, history, development and and current professional practice of public relations. Covers concepts of planning and executing effective communication strategies, including message design and distribution, for any organization. Applicable journalistic writing styles are covered.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate knowledge of the history, role and function of public relations in today's society and global economy.
- Compare ethical and legal case studies and distinguish which of the chosen methods for handling the issues are best aligned with the Public Relations Society of America member code of ethics and media law.
- Research and design a public relations strategy for a specific entity and create a press release (using Associated Press style, summary lead and quote attribution) and associated media strategy, based on a stated goal and means of evaluating outcomes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

JOUR 90
Introduction to Multimedia Reporting

4.0 Units

Provides an introduction to multimedia storytelling with a journalism emphasis. Explores use of video, photos, audio, animation and text to convey interactive news and feature stories through the internet and other electronic media. Includes basic journalism concepts of ethics and law, critical thinking, research and synthesis.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Critically evaluate and differentiate news websites, social media and blogs and their content for legitimacy and reliability of information.
- Research and create journalistic stories in audio, video and graphic formats using various recording devices and software applications.
- Apply ethical and legal standards to creating journalistic online content for websites and social media.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

KNES 1A
Novice Swimming

0.5 Units

An introduction to Physical Education through novice swimming. Skills and techniques for the non-swimmer will be covered. Global and historical development of swimming as a fitness activity, novice stroke skills, survival methods, overcoming fear of water, and safety will be included. American Red Cross stroke standards will be followed but adaptations will be allowed based on physical ability, age, strength and gender. Students will review basic exercise physiology and nutrition appropriate to swimming.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D026A.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Aquatics Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Aquatics

Student Learning Outcomes
- Perform with increasing proficiency forward propulsive movements in prone and supine positions.
- Apply knowledge of basic fitness concepts to health and fitness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0

Total	24.0	**Total**	0.0

KNES 1B

Beginning Swimming

0.5 Units

An introduction to Physical Education through the development of skills and techniques for the beginning swimmer. Global and historical development of swimming as a fitness and competitive activity will be discussed. Beginning stroke skills, survival methods, diving from the side of the pool, and deep water swimming will be covered. American Red Cross stroke standards will be followed but adaptations will be allowed based on physical ability, age, strength and gender. Students will review basic exercise physiology and nutrition appropriate to swimming.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D026B.)

Prerequisite(s)
KNES 1A or pass swimming placement test which consists of swimming 25 yards in deep water

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Aquatics Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Aquatics

Student Learning Outcomes
- Perform with increasing proficiency forward propulsive movements in prone, side and supine positions.
- Apply knowledge of basic fitness concepts to health and fitness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 1C

Intermediate Swimming

0.5 Units

An introduction into Physical Education through skills and techniques for the intermediate swimmer. Global and historical development of swimming as a fitness and competitive activity will be discussed. Intermediate stroke skills, spring board diving, turns, and water safety will be covered. The student will be expected to swim greater lengths with increased motor skills. American Red Cross stroke standards will be followed but adaptations will be allowed based on physical ability, age, strength and gender. Students will review basic exercise physiology and nutrition appropriate to swimming.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D026C and P E D26CX respectively.)

Prerequisite(s)

KNES 1B or equivalent swimming skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Aquatics Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Aquatics

Student Learning Outcomes
- Perform with increasing proficiency propulsive movements, breathing and timing, and body balance in the water while in prone, side and supine positions.
- Apply knowledge of basic fitness concepts to health and fitness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 1CX

Intermediate Swimming

1.0 Units

An introduction into Physical Education through skills and techniques for the intermediate swimmer. Global and historical development of swimming as a fitness and competitive activity will be discussed. Intermediate stroke skills, spring board diving, turns, and water safety will be covered. The student will be expected to swim greater lengths with increased motor skills. American Red Cross stroke standards will be followed but adaptations will be allowed based on physical ability, age, strength and gender. Students will review basic exercise physiology and nutrition appropriate to swimming.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D026C and P E D26CX respectively.)

Prerequisite(s)
KNES 1B or equivalent swimming skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Aquatics Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Aquatics

Student Learning Outcomes
- Perform with increasing proficiency propulsive movements, breathing and timing, and body balance in the water while in prone, side and supine positions.
- Apply knowledge of basic fitness concepts to health and fitness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)

12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 1D
Advanced Swimming

0.5 Units

An introduction to Physical Education through skills and techniques for the advanced swimmer. Global and historical development of swimming as a fitness and competitive activity will be discussed. Advanced stroke skills, endurance swimming, racing turns and starts, and spring board diving will be covered. The student will perform skills at a greater speed and distance at an advanced motor skill level. American Red Cross stroke standards will be followed but adaptations will be allowed based on physical ability, age, strength and gender. Students will review basic exercise physiology and nutrition appropriate to swimming.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D026D and P E D26DX respectively.)

Prerequisite(s)
KNES 1C or KNES 1CX, or equivalent swimming skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Aquatics Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Aquatics

Student Learning Outcomes
- Perform with increasing proficiency propulsive movements, breathing and timing, and body balance in the water while in prone, side and supine positions.
- Apply knowledge of basic fitness concepts to health and fitness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 1DX
Advanced Swimming

1.0 Units

An introduction to Physical Education through skills and techniques for the advanced swimmer. Global and historical development of swimming as a fitness and competitive activity will be discussed. Advanced stroke skills, endurance swimming, racing turns and starts, and spring board diving will be covered. The student will perform skills at a greater speed and distance at an advanced motor skill level. American Red Cross stroke standards will be followed but adaptations will be allowed based on physical ability, age, strength and gender. Students will review basic exercise physiology and nutrition appropriate to swimming.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability

Transferable to both UC and CSU

Formerly Statement
(Formerly P E D026D and P E D26DX respectively.)

Prerequisite(s)
KNES 1C or KNES 1CX, or equivalent swimming skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Aquatics Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Aquatics

Student Learning Outcomes
- Perform with increasing proficiency propulsive movements, breathing and timing, and body balance in the water while in prone, side and supine positions.
- Apply knowledge of basic fitness concepts to health and fitness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 2A
Aerobic Swimming

0.5 Units

An introduction to the discipline of Physical Education through aerobic swimming. Cardiovascular conditioning for the swimmer who is proficient at the intermediate level. Includes global and historical development of swimming as a fitness activity. Students will review training methods, measurements, safety, individual program design, exercise physiology, nutrition appropriate to swimming, intermediate strokes and turns.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006G and P E D06GX respectively.)

Prerequisite(s)
KNES 1C or KNES 1CX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Aquatics Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Aquatics

Student Learning Outcomes
- Apply knowledge of basic fitness concepts to health and fitness.
- Demonstrate improvement in cardiorespiratory endurance through swimming.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 2AX

Aerobic Swimming

1.0 Units

An introduction to the discipline of Physical Education through aerobic swimming. Cardiovascular conditioning for the swimmer who is proficient at the intermediate level. Includes global and historical development of swimming as a fitness activity. Students will review training methods, measurements, safety, individual program design, exercise physiology, nutrition appropriate to swimming, intermediate strokes and turns.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006G and P E D06GX respectively.)

Prerequisite(s)
KNES 1C or KNES 1CX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Aquatics Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Aquatics

Student Learning Outcomes
- Apply knowledge of basic fitness concepts to health and fitness.
- Demonstrate improvement in cardiorespiratory endurance through swimming.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 2B

Deep Water Running

0.5 Units

An introduction to the discipline of Kinesiology through deep water running including an historical and global examination of deep water running for fitness and rehabilitation. Students will improve fitness through a program of cardiovascular endurance, strength development and flexibility using water based exercise routines and equipment.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement

(Formerly P E D006F and P E D06FX respectively.)

Prerequisite(s)
KNES 1C or KNES 1CX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Aquatics Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Aquatics

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and fitness.
- Demonstrate improvement in cardiorespiratory endurance and strength.
- Demonstrate proper deep water running techniques.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 2BX

Deep Water Running

1.0 Units

An introduction to the discipline of Kinesiology through deep water running including an historical and global examination of deep water running for fitness and rehabilitation. Students will improve fitness through a program of cardiovascular endurance, strength development and flexibility using water based exercise routines and equipment.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006F and P E D06FX respectively.)

Prerequisite(s)
KNES 1C or KNES 1CX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Aquatics Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Aquatics

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and fitness.
- Demonstrate improvement in cardiorespiratory endurance and strength.
- Demonstrate proper deep water running techniques.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)

12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 5A

Indoor Cycling

0.5 Units

An introduction to the discipline of Physical Education through indoor cycling. Includes an historical examination of indoor cycling/spinning. The cycling program is an individually paced, noncompetitive, group training program designed for all riders and all fitness levels. Cycling is an exercise performed on a stationary racing bicycle and is performed to music. Training is fast paced and is open to anyone who is interested in losing body fat, improving cycling techniques, and wants to improve cardio-respiration.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D003. and P E D003X respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Cardiovascular Fitness Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Cardiovascular Fitness

Student Learning Outcomes
- Develop an understanding of improving cardiorespiratory strength and endurance through cycling.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 5AX

Indoor Cycling

1.0 Units

An introduction to the discipline of Physical Education through indoor cycling. Includes an historical examination of indoor cycling/spinning. The cycling program is an individually paced, noncompetitive, group training program designed for all riders and all fitness levels. Cycling is an exercise performed on a stationary racing bicycle and is performed to music. Training is fast paced and is open to anyone who is interested in losing body fat, improving cycling techniques, and wants to improve cardio-respiration.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D003. and P E D003X respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Cardiovascular Fitness Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Cardiovascular Fitness

Student Learning Outcomes
- Develop an understanding of improving cardiorespiratory strength and endurance through cycling.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 5B

High Intensity Indoor Cycling

0.5 Units

An introduction to the discipline of Kinesiology through indoor cycling. Includes an historical examination of indoor cycling/spinning. The cycling program is an individual paced, competitive group-training program designed to develop cardiovascular fitness at higher intensity levels. Using interval training students will improve aerobic and anaerobic energy systems. Utilizing a variety of equipment the student will develop core endurance and strength. Students will be able to assess and design a personal workout program for an indoor program of cycling which can be modified to outdoor trails.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D003B and P E D03BX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Cardiovascular Fitness

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Formulate and design a program for core strength and stabilization exercises.
- Create an interval cycling program based upon individual indoor cycling goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0

Total	24.0	**Total**	0.0

KNES 5BX

High Intensity Indoor Cycling

1.0 Units

An introduction to the discipline of Kinesiology through indoor cycling. Includes an historical examination of indoor cycling/spinning. The cycling program is an individual paced, competitive group-training program designed to develop cardiovascular fitness at higher intensity levels. Using interval training students will improve aerobic and anaerobic energy systems. Utilizing a variety of equipment the student will develop core endurance and strength. Students will be able to assess and design a personal workout program for an indoor program of cycling which can be modified to outdoor trails.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D003B and P E D03BX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Cardiovascular Fitness

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Formulate and design a program for core strength and stabilization exercises.
- Create an interval cycling program based upon individual indoor cycling goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 6A

Aerobic Power Walking

0.5 Units

An introduction to the discipline of Physical Education through aerobic power walking. Includes an historical and global examination of walking for health and fitness. Students will improve fitness through a progressive program of walking various distances, routes and at variable speeds. The importance of strength development, and flexibility exercises, adaptations of the exercises to individual physical abilities and principles of fitness and nutrition will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006H and P E D06HX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Cardiovascular Fitness Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Cardiovascular Fitness

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and fitness.
- Demonstrate improvement in cardiorespiratory endurance.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 6AX

Aerobic Power Walking

1.0 Units

An introduction to the discipline of Physical Education through aerobic power walking. Includes an historical and global examination of walking for health and fitness. Students will improve fitness through a progressive program of walking various distances, routes and at variable speeds. The importance of strength development, and flexibility exercises, adaptations of the exercises to individual physical abilities and principles of fitness and nutrition will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006H and P E D06HX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Cardiovascular Fitness Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Cardiovascular Fitness

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and fitness.
- Demonstrate improvement in cardiorespiratory endurance.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 7A

Step Aerobics

0.5 Units

An introduction to the discipline of Physical Education through cardiovascular/aerobic exercise utilizing a step system to promote cardiorespiratory endurance through a variety of movements. Students will learn fundamental patterns and routines with popular music

accompaniment. Global and historical review of the evolution of aerobic exercise, exercise trends for men, women and athletes will be discussed. Students will review and apply basic exercise physiology, nutrition and wellness concepts related to cardiovascular exercise, strength development and flexibility relative to age, gender, or physical limitations.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006S and P E D06SX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Cardiovascular Fitness

Student Learning Outcomes
- Implement proper techniques and choreography related to step aerobics.
- Apply knowledge of basic fitness concepts to health and fitness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 7AX
Step Aerobics

1.0 Units

An introduction to the discipline of Physical Education through cardiovascular/aerobic exercise utilizing a step system to promote cardiorespiratory endurance through a variety of movements. Students will learn fundamental patterns and routines with popular music accompaniment. Global and historical review of the evolution of aerobic exercise, exercise trends for men, women and athletes will be discussed. Students will review and apply basic exercise physiology, nutrition and wellness concepts related to cardiovascular exercise, strength development and flexibility relative to age, gender, or physical limitations.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006S and P E D06SX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Cardiovascular Fitness Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Cardiovascular Fitness

Student Learning Outcomes
- Implement proper techniques and choreography related to step aerobics.
- Apply knowledge of basic fitness concepts to health and fitness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 9A
Interactive Cardiovascular Fitness and Activity Tracking 1

0.5 Units

An introduction to the discipline of kinesiology through an introduction to online fitness. Technology to verify performance via self-reported cardiovascular exercise, assignments, testing and discussion will be utilized. Students will learn to improve fitness through the use of cardiovascular exercise. Basic exercise physiology, nutritional concepts and various components of fitness will be discussed. Students are required to have an instructor-approved tracking application installed on a GPS-enabled device or a fitness tracking device.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Cardiovascular Fitness Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Cardiovascular Fitness

Student Learning Outcomes
- Demonstrate improvement of cardiovascular, strength and flexibility through cardiovascular fitness.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Design and maintain a weekly online activity log.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 9AX
Interactive Cardiovascular Fitness and Activity Tracking 1

1.0 Units

An introduction to the discipline of kinesiology through an introduction to online fitness. Technology to verify performance via self-reported cardiovascular exercise, assignments, testing and discussion will be utilized. Students will learn to improve fitness through the use of cardiovascular exercise. Basic exercise physiology, nutritional concepts and various components of fitness will be discussed. Students are required to have an instructor-approved tracking application installed on a GPS-enabled device or a fitness tracking device.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Cardiovascular Fitness

Student Learning Outcomes
- Demonstrate improvement of cardiovascular, strength and flexibility through cardiovascular fitness.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Design and maintain a weekly online activity log.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 9B

Interactive Cardiovascular Fitness and Activity Tracking 2

0.5 Units

An introduction to the discipline of kinesiology through online fitness. This is an intermediate level online fitness course that will utilize technology to verify performance via self-reported cardiovascular exercise, assignments, testing and discussion. Students will learn to improve fitness through the use of cardiovascular exercise. Basic exercise physiology, nutritional concepts and various components of fitness will be discussed. Students are required to have an instructor-approved tracking application installed on a GPS-enabled device or a fitness tracking device.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Cardiovascular Fitness

Student Learning Outcomes
- Demonstrate intermediate level improvement of cardiovascular, strength and flexibility through cardiovascular fitness.
- Apply knowledge of intermediate fitness concepts as they apply to health and wellness.
- Alter or modify cardiovascular fitness program in order to improve body composition/flexibility,cardiovascular fitness/muscular endurance/muscular strength related to performance at an intermediate level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 9BX

Interactive Cardiovascular Fitness and Activity Tracking 2

1.0 Units

An introduction to the discipline of kinesiology through online fitness. This is an intermediate level online fitness course that will utilize technology to verify performance via self-reported cardiovascular exercise, assignments, testing and discussion. Students will learn to improve fitness through the use of cardiovascular exercise. Basic exercise physiology, nutritional concepts and various components of fitness will be discussed. Students are required to have an instructor-approved tracking application installed on a GPS-enabled device or a fitness tracking device.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Cardiovascular Fitness Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Cardiovascular Fitness

Student Learning Outcomes
- Demonstrate intermediate level improvement of cardiovascular, strength and flexibility through cardiovascular fitness.
- Apply knowledge of intermediate fitness concepts as they apply to health and wellness.
- Alter or modify cardiovascular fitness program in order to improve body composition/flexibility,cardiovascular fitness/muscular endurance/muscular strength related to performance at an intermediate level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 11A

Cardio Kick

0.5 Units

An introduction to the discipline of Kinesiology through the activity of cardio kick. Dynamic kickboxing techniques are used to provide a level of conditioning for both the aerobic and anaerobic systems. The freestyle interval format combines boxing and kicking drills specific to martial arts and kickboxing integrating the element of mind/body, readiness, visualization, and reaction. Students will participate in a safe, modifiable, program to improve overall fitness, agility, balance, strength, and endurance. An historical examination of cardio kick for fitness and its roots in the sports of kickboxing, boxing, and martial arts will be included.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability

Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006K and P E D06KX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Combatives Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Combatives

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and fitness.
- Demonstrate improvement in cardiorespiratory, strength and flexibility.
- Demonstrate proper technique when performing a jab, a cross, upper cut, hook, front and roundhouse kicks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 11AX
Cardio Kick

1.0 Units

An introduction to the discipline of Kinesiology through the activity of cardio kick. Dynamic kickboxing techniques are used to provide a level of conditioning for both the aerobic and anaerobic systems. The freestyle interval format combines boxing and kicking drills specific to martial arts and kickboxing integrating the element of mind/body, readiness, visualization, and reaction. Students will participate in a safe, modifiable, program to improve overall fitness, agility, balance, strength, and endurance. An historical examination of cardio kick for fitness and its roots in the sports of kickboxing, boxing, and martial arts will be included.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006K and P E D06KX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Combatives

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and fitness.
- Demonstrate improvement in cardiorespiratory, strength and flexibility.
- Demonstrate proper technique when performing a jab, a cross, upper cut, hook, front and roundhouse kicks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 11B
Cardio Kick 2

0.5 Units

An introduction to the discipline of Kinesiology through the activity of cardio kick. Dynamic kickboxing techniques are used to provide a level of conditioning for both the aerobic and anaerobic systems at an intermediate level. The freestyle interval format combines boxing and kicking drills specific to martial arts and kickboxing integrating the element of mind/body, readiness, visualization, and reaction at an intermediate level. Students will participate in a safe, modifiable, program to improve overall fitness, agility, balance, strength, and endurance at an intermediate level. An historical examination of cardio kick for fitness and its roots in the sports of kickboxing, boxing, and martial arts will be included.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
KNES 11A or KNES 11AX

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Combatives

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and fitness.
- Demonstrate improvement in cardiorespiratory, strength and flexibility.
- Demonstrate proper technique when performing a jab, a cross, upper cut, hook, front and roundhouse kicks at an intermediate level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 11BX
Cardio Kick 2

1.0 Units

An introduction to the discipline of Kinesiology through the activity of cardio kick. Dynamic kickboxing techniques are used to provide a level of conditioning for both the aerobic and anaerobic systems at an intermediate level. The freestyle interval format combines boxing and kicking drills specific to martial arts and kickboxing integrating the element of mind/body, readiness, visualization, and reaction at an intermediate level. Students will participate in a safe, modifiable, program to improve overall fitness, agility, balance, strength, and endurance at an intermediate level. An historical examination of cardio kick for fitness and its roots in the sports of kickboxing, boxing, and martial arts will be included.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
KNES 11A or KNES 11AX

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Combatives Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Combatives

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and fitness.
- Demonstrate improvement in cardiorespiratory, strength and flexibility.
- Demonstrate proper technique when performing a jab, a cross, upper cut, hook, front and roundhouse kicks at an intermediate level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 12D
Beginning Karate

0.5 Units

An introduction to the discipline of Kinesiology through the discipline of karate. Includes, a global and historical examination of the sport, rules, equipment, and etiquette. Students will analyze and demonstrate the application of traditional Japanese Shotokan karate techniques including blocking, punching, kicking striking, and stances. Students will strive to understand and apply basic exercise physiology, nutrition, flexibility, and strength concepts in an effort to improve their physical condition. Considerations for the variables that occur due to age, gender, and physical conditions will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002A and P E D02AX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Combatives Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Combatives

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and fitness.
- Demonstrate fundamental karate techniques at a beginning level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 12DX
Beginning Karate

1.0 Units

An introduction to the discipline of Kinesiology through the discipline of karate. Includes, a global and historical examination of the sport, rules, equipment, and etiquette. Students will analyze and demonstrate the application of traditional Japanese Shotokan karate techniques including blocking, punching, kicking striking and stances. Students will strive to understand and apply basic exercise physiology, nutrition, flexibility and strength concepts in an effort to improve their physical condition. Considerations for the variables that occur due to age, gender and physical conditions will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002A and P E D02AX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Combatives

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and fitness.
- Demonstrate fundamental karate techniques at a beginning level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 12E
Intermediate Karate

0.5 Units

An introduction to the discipline of physical education through the discipline of karate. Includes a global and historical examination of the sport, rules, equipment, and etiquette of the sport. Intermediate karate skills and techniques of Japanese karate will be covered including blocking, punching, kicking, stances and individual evasive movement, and group interaction. Students will strive to understand and apply basic exercise physiology, nutrition, flexibility, and strength concepts in an effort to improve their physical condition in order to train at a more advanced level, with consideration for the variables that occur due to age, gender, and physical conditions.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002B and P E D02BX respectively.)

Prerequisite(s)
KNES 12D or KNES 12DX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family

FD - Combatives

Student Learning Outcomes

- Apply knowledge of basic fitness concepts as they apply to health and fitness.
- Demonstrate fundamental karate techniques at an intermediate level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 12EX
Intermediate Karate

1.0 Units

An introduction to the discipline of physical education through the discipline of karate. Includes a global and historical examination of the sport, rules, equipment, and etiquette of the sport. Intermediate karate skills and techniques of Japanese karate will be covered including blocking, punching, kicking, stances and individual evasive movement, and group interaction. Students will strive to understand and apply basic exercise physiology, nutrition, flexibility, and strength concepts in an effort to improve their physical condition in order to train at a more advanced level, with consideration for the variables that occur due to age, gender, and physical conditions.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002B and P E D02BX respectively.)

Prerequisite(s)
KNES 12D or KNES 12DX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Combatives Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Combatives

Student Learning Outcomes

- Apply knowledge of basic fitness concepts as they apply to health and fitness.
- Demonstrate fundamental karate techniques at an intermediate level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 12G
Self-Defense

0.5 Units

An introduction to the discipline of Kinesiology, through personal self-defense. The course includes a historical and global examination of self-defense. It will provide the student with a sense of awareness and practical applications that will maximize the student's strength, endurance, and skill relative to gender, body build and ability to react to various situations. Recognition of potential problems, attack prevention/avoidance, escape strategies, counterattack, kidnapping, and sexual violence will be discussed. Basic exercise physiology, nutrition, fundamentals of strength development, and flexibility.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D003G.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Combatives Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Combatives

Student Learning Outcomes

- Demonstrate front and rear releases for a variety of grasps and holds.
- Demonstrate knowledge of gender differences and fitness concepts when applying self defense techniques and preventive measures for various situations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 12H
Tai Chi

0.5 Units

This course introduces the discipline of Kinesiology through Tai Chi exercises including well-known short forms consisting of 24 postures. The principles of unity, centering, balance, alignment, breath and mind intent, "yin and yang" relationships, and the development of Chi are examined, along with the benefits of Tai Chi exercise relative to age, gender, and environmental conditions. Basic exercise physiology, nutrition, fundamentals of strength development, flexibility, and meditation concepts as related to Tai Chi and "health and wellness" are explored. There will also be a global and historical examination of the Taoist philosophy and the development of various forms of Tai Chi.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Combatives

Student Learning Outcomes

- Assimilate proper breathing techniques to induce physical relaxation.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 12HX

Tai Chi

1.0 Units

This course introduces the discipline of Kinesiology through Tai Chi exercises including well-known short forms consisting of 24 postures. The principles of unity, centering, balance, alignment, breath and mind intent, "yin and yang" relationships, and the development of Chi are examined, along with the benefits of Tai Chi exercise relative to age, gender, and environmental conditions. Basic exercise physiology, nutrition, fundamentals of strength development, flexibility, and meditation concepts as related to Tai Chi and "health and wellness" are explored. There will also be a global and historical examination of the Taoist philosophy and the development of various forms of Tai Chi.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Combatives

Student Learning Outcomes
- Assimilate proper breathing techniques to induce physical relaxation.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 12J

Intermediate Tai Chi

0.5 Units

This is a further examination of Kinesiology through the practice of the ancient exercise of the 24 and 36 posture Tai Chi forms. Students will strive to master syncing breathing patterns with movement and to improve balance, alignment, and mind intent while continuing to practice the 24 posture form. The 36 posture Tai Chi form will be introduced with related self-defense applications, "push-hands" and Chi Gong meditations. Benefits of Tai Chi exercise relative to age, gender, and for individuals with physical limitations will be critiqued. The course will review basic exercise physiology, nutrition, strength development, and flexibility concepts as related to the benefits of Tai Chi and overall health and wellness.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002R and P E D02RX respectively.)

Prerequisite(s)
KNES 12H or KNES 12HX, or comparable level, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Combatives Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Combatives

Student Learning Outcomes
- Continue to assimilate proper breathing techniques to induce physical relaxation while performing a more complex set of Tai Chi postures and chi gong exercises.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 12JX

Intermediate Tai Chi

1.0 Units

This is a further examination of Kinesiology through the practice of the ancient exercise of the 24 and 36 posture Tai Chi forms. Students will strive to master syncing breathing patterns with movement and to improve balance, alignment, and mind intent while continuing to practice the 24 posture form. The 36 posture Tai Chi form will be introduced with related self-defense applications, "push-hands" and Chi Gong meditations. Benefits of Tai Chi exercise relative to age, gender, and for individuals with physical limitations will be critiqued. The course will review basic exercise physiology, nutrition, strength development, and flexibility concepts as related to the benefits of Tai Chi and overall health and wellness.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002R and P E D02RX respectively.)

Prerequisite(s)
KNES 12H or KNES 12HX, or comparable level, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Combatives Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Combatives

Student Learning Outcomes
- Continue to assimilate proper breathing techniques to induce physical relaxation while performing a more complex set of Tai Chi postures and chi gong exercises.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 15A
Cross Training

0.5 Units

An introduction to the discipline of Physical Education including a historical examination of cross training. Cardiovascular fitness will be increased through circuit and interval training. Agility, speed, strength, and flexibility will be enhanced through the utilization of a variety of fitness equipment. Strength, cardiovascular, flexibility, and body composition assessments will be included in course activities. Students will participate indoors as well as outdoors.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006B and P E D06BX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Cross Training

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Increase cardiorespiratory fitness, muscular strength, muscular endurance, flexibility and improved body composition.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 15AX
Cross Training

1.0 Units

An introduction to the discipline of Physical Education including a historical examination of cross training. Cardiovascular fitness will be increased through circuit and interval training. Agility, speed, strength, and flexibility will be enhanced through the utilization of a variety of fitness equipment. Strength, cardiovascular, flexibility, and body composition assessments will be included in course activities. Students will participate indoors as well as outdoors.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006B and P E D06BX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Cross Training

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Increase cardiorespiratory fitness, muscular strength, muscular endurance, flexibility and improved body composition.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 15C
Total Fitness

0.5 Units

An introduction to the discipline of Kinesiology through total fitness, including an historical and global examination of total fitness and conditioning. Students will improve fitness through a program of cardiovascular exercise, agility, speed, flexibility, and resistance training using both indoor and outdoor facilities. Fitness assessments will occur throughout the term.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D008. and P E D008X respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Cross Training Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Cross Training

Student Learning Outcomes
- Demonstrate improvement of cardiovascular, strength and flexibility through total fitness.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0

Total	24.0	**Total**	0.0

KNES 15CX

Total Fitness

1.0 Units

An introduction to the discipline of Kinesiology through total fitness, including an historical and global examination of total fitness and conditioning. Students will improve fitness through a program of cardiovascular exercise, agility, speed, flexibility, and resistance training using both indoor and outdoor facilities. Fitness assessments will occur throughout the term.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D008. and P E D008X respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Cross Training Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Cross Training

Student Learning Outcomes
- Demonstrate improvement of cardiovascular, strength and flexibility through total fitness.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 15E

Cardiovascular and Strength Training

0.5 Units

An introduction to the discipline of Physical Education through cardiovascular and strength training. Includes rules, equipment, facilities, etiquette, safety and technique of cardiovascular and strength training. Includes a brief historical examination of how cardiovascular and strength training has changed due to the influence of individuals and their countries. Students will review and apply basic exercise physiology, nutrition, and flexibility concepts to improve their physical condition.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D009., D009X and D009Y respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Cross Training

Student Learning Outcomes
- Apply both aerobic and anaerobic training techniques.
- Perform physical training and demonstrate multi-phasic planning.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 15EX

Cardiovascular and Strength Training

1.0 Units

An introduction to the discipline of Physical Education through cardiovascular and strength training. Includes rules, equipment, facilities, etiquette, safety and technique of cardiovascular and strength training. Includes a brief historical examination of how cardiovascular and strength training has changed due to the influence of individuals and their countries. Students will review and apply basic exercise physiology, nutrition, and flexibility concepts to improve their physical condition.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D009., D009X and D009Y respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Cross Training

Student Learning Outcomes
- Apply both aerobic and anaerobic training techniques.
- Perform physical training and demonstrate multi-phasic planning.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 15EY

Cardiovascular and Strength Training

1.5 Units

An introduction to the discipline of Physical Education through cardiovascular and strength training. Includes rules, equipment, facilities, etiquette, safety and technique of cardiovascular and strength training. Includes a brief historical examination of how cardiovascular and strength training has changed due to the influence of individuals and their countries. Students will review and apply basic exercise physiology, nutrition, and flexibility concepts to improve their physical condition.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D009., D009X and D009Y respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Cross Training Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Cross Training

Student Learning Outcomes
- Apply both aerobic and anaerobic training techniques.
- Perform physical training and demonstrate multi-phasic planning.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

KNES 15F
High Intensity Interval Training - HIIT

0.5 Units

An introduction to the field of kinesiology through the practice of high intensity interval training. Fitness training will focus on heart rate based interval training. Resting heart rate, aerobic peak and reserve rates will be measured for elevated fitness training. Basic concepts of physiology, cardiovascular, muscular strength and endurance, and nutritional concepts will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Cross Training Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Cross Training

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Ability to assess and understand the heart rate training system and the basic concepts of interval training.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 15FX
High Intensity Interval Training - HIIT

1.0 Units

An introduction to the field of kinesiology through the practice of high intensity interval training. Fitness training will focus on heart rate based interval training. Resting heart rate, aerobic peak and reserve rates will be measured for elevated fitness training. Basic concepts of physiology, cardiovascular, muscular strength and endurance, and nutritional concepts will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Cross Training

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Ability to assess and understand the heart rate training system and the basic concepts of interval training.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 16A
Fit Camp

0.5 Units

An introduction to the discipline of Kinesiology through fit camp. A historical examination of fit camp for fitness which includes a look at the U.S. Military boot camp regimen. The student will strive for ultimate fitness through a program of cardiovascular exercise including circuit and intervals, balance, agility, speed, strength, and flexibility training both indoors and outdoors. Strength, cardiovascular fitness, flexibility, and body composition assessments will occur throughout the term.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006U, D06UX, and D06UY respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Cross Training

Student Learning Outcomes
- Demonstrate an an increasing control of skills pertaining to: cardiovascular, strength, flexibility, agility and balance.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Course In-Class (Contact) Hours | Course Out-of-Class Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 16AX

Fit Camp

1.0 Units

An introduction to the discipline of Kinesiology through fit camp. A historical examination of fit camp for fitness which includes a look at the U.S. Military boot camp regimen. The student will strive for ultimate fitness through a program of cardiovascular exercise including circuit and intervals, balance, agility, speed, strength, and flexibility training both indoors and outdoors. Strength, cardiovascular fitness, flexibility, and body composition assessments will occur throughout the term.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006U, D06UX, and D06UY respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Cross Training Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Cross Training

Student Learning Outcomes
- Demonstrate an an increasing control of skills pertaining to: cardiovascular, strength, flexibility, agility and balance.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 16AY

Fit Camp

1.5 Units

An introduction to the discipline of Kinesiology through fit camp. A historical examination of fit camp for fitness which includes a look at the U.S. Military boot camp regimen. The student will strive for ultimate fitness through a program of cardiovascular exercise including circuit and intervals, balance, agility, speed, strength, and flexibility training both indoors and outdoors. Strength, cardiovascular fitness, flexibility, and body composition assessments will occur throughout the term.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006U, D06UX, and D06UY respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Cross Training

Student Learning Outcomes
- Demonstrate an an increasing control of skills pertaining to: cardiovascular, strength, flexibility, agility and balance.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

KNES 17A

Plyometric Conditioning 1

0.5 Units

An introduction to the discipline of kinesiology through plyometric conditioning, including an historical and global examination of plyometric exercise and conditioning. This introductory course is designed to promote physiological development of strength, speed and power through a series of leaping, bounding and hopping exercises to effectively improve coordination and agility.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Cross Training

Student Learning Outcomes
- Increased speed and agility along with cardiorespiratory fitness, muscular strength, muscular endurance, flexibility and improved body composition.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0

Total	24.0	**Total**	0.0

KNES 17AX

Plyometric Conditioning 1

1.0 Units

An introduction to the discipline of kinesiology through plyometric conditioning, including an historical and global examination of plyometric exercise and conditioning. This introductory course is designed to promote physiological development of strength, speed and power through a series of leaping, bounding and hopping exercises to effectively improve coordination and agility.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Cross Training Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Cross Training

Student Learning Outcomes
- Increased speed and agility along with cardiorespiratory fitness, muscular strength, muscular endurance, flexibility and improved body composition.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 19A

Strength Development

0.5 Units

An introduction to the discipline of Kinesiology through strength training. Includes etiquette, safety and techniques of strength development, with a brief historical examination of how strength training has changed due to the influence of individuals, and their style of lifting. The development of skill and adaptations based on the physical ability, age and gender of the individual student will be encouraged. Students will review and apply basic exercise physiology, nutrition, flexibility and strength concepts to improve their physical condition.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D004. and P E D004X respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Strength Development Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Strength Development

Student Learning Outcomes
- Perform strength development exercises, using safe lifting techniques, while demonstrating appropriate use of resistance training machines and free weights.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Demonstrate the knowledge and performance of a well rounded program for muscular strength.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 19AX

Strength Development

1.0 Units

An introduction to the discipline of Kinesiology through strength training. Includes etiquette, safety and techniques of strength development, with a brief historical examination of how strength training has changed due to the influence of individuals, and their style of lifting. The development of skill and adaptations based on the physical ability, age and gender of the individual student will be encouraged. Students will review and apply basic exercise physiology, nutrition, flexibility and strength concepts to improve their physical condition.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D004. and P E D004X respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Strength Development

Student Learning Outcomes
- Perform strength development exercises, using safe lifting techniques, while demonstrating appropriate use of resistance training machines and free weights.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Demonstrate the knowledge and performance of a well rounded program for muscular strength.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 19B

Strength Development 2

0.5 Units

An introduction to the discipline of kinesiology through strength training at an intermediate level. Includes etiquette, safety and techniques of strength development, with a brief historical examination of how strength training has changed due to the influence of individuals, and their style of lifting. The development of skill and adaptations based on the physical ability, age and gender of the individual student will be encouraged. Students will review and apply basic exercise physiology, nutrition, flexibility and strength concepts to improve their physical condition.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Strength Development

Student Learning Outcomes
- Perform safe and appropriate use of resistance, training machines and free weights at an intermediate level.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 19BX
Strength Development 2

1.0 Units

An introduction to the discipline of kinesiology through strength training at an intermediate level. Includes etiquette, safety and techniques of strength development, with a brief historical examination of how strength training has changed due to the influence of individuals, and their style of lifting. The development of skill and adaptations based on the physical ability, age and gender of the individual student will be encouraged. Students will review and apply basic exercise physiology, nutrition, flexibility and strength concepts to improve their physical condition.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Strength Development Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Strength Development

Student Learning Outcomes
- Perform safe and appropriate use of resistance, training machines and free weights at an intermediate level.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 19D
Resistance Training 1

0.5 Units

This course is an introduction to Kinesiology through the training for muscular endurance. It includes safety, etiquette, and techniques for developing muscular endurance through resistance and weight training. A global and historical view of muscular endurance training and the role in total fitness will be examined. This course focuses on the basic concepts of strength, agility, and how to improve one's physical condition.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D004Y and P E D04YX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Strength Development Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Strength Development

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform and safely execute muscular strength endurance exercises utilizing a variety of resistance training.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 19DX
Resistance Training 1

1.0 Units

This course is an introduction to Kinesiology through the training for muscular endurance. It includes safety, etiquette, and techniques for developing muscular endurance through resistance and weight training. A global and historical view of muscular endurance training and the role in total fitness will be examined. This course focuses on the basic concepts of strength, agility, and how to improve one's physical condition.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement

(Formerly P E D004Y and P E D04YX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Strength Development

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform and safely execute muscular strength endurance exercises utilizing a variety of resistance training.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 19E
Body Sculpting

0.5 Units

An introduction to the discipline of Kinesiology. It includes an historical examination of core strengthening. Body sculpt conditioning is an integrated approach that focuses on developing the muscles of the entire body. Through body sculpting the student will achieve ultimate fitness by focusing on a program of strength, balance, agility and flexibility. Concentration will be on muscles of the entire body. Resistance training, medicine balls, stability balls, and the body bar will be used in conjunction with proper breathing, posture and muscle awareness.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006D and P E D06DX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Strength Development

Student Learning Outcomes
- Design and implement strength training program applying resistance principles to produce desired training effects.
- Apply knowledge of basic fitness concepts as they apply to health and fitness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 19EX
Body Sculpting

1.0 Units

An introduction to the discipline of Kinesiology. It includes an historical examination of core strengthening. Body sculpt conditioning is an integrated approach that focuses on developing the muscles of the entire body. Through body sculpting the student will achieve ultimate fitness by focusing on a program of strength, balance, agility and flexibility. Concentration will be on muscles of the entire body. Resistance training, medicine balls, stability balls, and the body bar will be used in conjunction with proper breathing, posture and muscle awareness.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006D and P E D06DX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Strength Development Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Strength Development

Student Learning Outcomes
- Design and implement strength training program applying resistance principles to produce desired training effects.
- Apply knowledge of basic fitness concepts as they apply to health and fitness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 19G
Core Conditioning

0.5 Units

An introduction to the discipline of Physical Education through core conditioning which is an integrated fitness approach that focuses on developing the stabilization muscles of the center of the body. Included is a historical examination of core strengthening. Concentration will be on the muscles of the torso, back, hips, inner and outer thighs, chest, and abdominals. Mat work emphasizing breathing techniques, posture, and muscle awareness will be utilized.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006V and P E D06VX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Strength Development Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Strength Development

Student Learning Outcomes
- Perform with an increasing degree of proficiency balance, trunk strength, and stability

as it pertains to core training.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 19GX
Core Conditioning

1.0 Units

An introduction to the discipline of Physical Education through core conditioning which is an integrated fitness approach that focuses on developing the stabilization muscles of the center of the body. Included is a historical examination of core strengthening. Concentration will be on the muscles of the torso, back, hips, inner and outer thighs, chest, and abdominals. Mat work emphasizing breathing techniques, posture, and muscle awareness will be utilized.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D006V and P E D06VX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Strength Development

Student Learning Outcomes
- Perform with an increasing degree of proficiency balance, trunk strength, and stability as it pertains to core training.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 20A
Circuit Training 1

0.5 Units

An introduction to the discipline of kinesiology through beginning level circuit training. An emphasis on varying exercises that are grouped and performed to enhance cardiovascular and muscular strength and endurance development. Basic physiological, nutritional, flexibility and body composition concepts will also be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Strength Development

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Demonstrate the ability to perform a variety of cardiovascular and muscular strength and endurance exercises for improved fitness levels.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 20AX
Circuit Training 1

0.5 Units

An introduction to the discipline of kinesiology through beginning level circuit training. An emphasis on varying exercises that are grouped and performed to enhance cardiovascular and muscular strength and endurance development. Basic physiological, nutritional, flexibility and body composition concepts will also be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Strength Development Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Strength Development

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Demonstrate the ability to perform a variety of cardiovascular and muscular strength and endurance exercises for improved fitness levels.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0

Total	24.0	**Total**	0.0

KNES 22A

Hatha Yoga

0.5 Units

An introduction to the discipline of Kinesiology through the study of yoga, including an historical examination and key philosophical concepts of the yoga tradition and the evolution of yoga throughout the ages. Students will practice simple yoga poses for the mind, body, mindfulness, breath awareness and relaxation techniques will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002Y and P E D02YX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Physical Meditation Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Physical Meditation

Student Learning Outcomes
- Assimilate proper breathing techniques to induce realxation in life.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Develop an increasing awareness of the link between the mind- body connection.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 22AX

Hatha Yoga

1.0 Units

An introduction to the discipline of Kinesiology through the study of yoga, including an historical examination and key philosophical concepts of the yoga tradition and the evolution of yoga throughout the ages. Students will practice simple yoga poses for the mind, body, mindfulness, breath awareness and relaxation techniques will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002Y and P E D02YX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Physical Meditation Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Physical Meditation

Student Learning Outcomes
- Assimilate proper breathing techniques to induce realxation in life.
- Assimilate proper breathing techniques to induce realxation in life.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Develop an increasing awareness of the link between the mind- body connection.
- Develop an increasing awareness of the link between the mind- body connection.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 22B

Yoga for Relaxation

0.5 Units

An introduction to the discipline of Physical Education through the study of yoga for relaxation. Includes a global and historical examination and key philosophical concepts of the yoga tradition. Students will practice yoga techniques to relax the mind and the body. Includes breath awareness and stress reduction techniques. Basic exercise physiology, nutrition, strength development, and flexibility will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002G and P E D02GX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
DA - Physical Meditation

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Develop an increasing awareness of the link between the mind-body connection.
- Assimilate proper breathing techniques to induce relaxation and stress reduction.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 22BX

Yoga for Relaxation

1.0 Units

An introduction to the discipline of Physical Education through the study of yoga for relaxation. Includes a global and historical examination and key philosophical concepts of the

yoga tradition. Students will practice yoga techniques to relax the mind and the body. Includes breath awareness and stress reduction techniques. Basic exercise physiology, nutrition, strength development, and flexibility will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002G and P E D02GX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Physical Meditation Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Physical Meditation

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Develop an increasing awareness of the link between the mind-body connection.
- Assimilate proper breathing techniques to induce relaxation and stress reduction.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 22C
Power Yoga

0.5 Units

An introduction to physical education through the study of power yoga. The course includes a historical examination and key philosophical concepts of the yoga tradition, and the evolution of yoga throughout the ages will be covered. Students will practice power yoga poses for muscular development and flexibility, along with, being mindful while using breathing techniques. Basic exercise physiology, nutrition, flexibility, strength, and mental concepts to improve one's physical condition, including, variables which occur due to age, gender, and physical conditions will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002D and P E D02DX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Physical Meditation Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Physical Meditation

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Develop an increasing awareness of the link between the mind-body connection.
- Assimilate proper asanas to develop muscle strength, endurance, and flexibility.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 22CX
Power Yoga

1.0 Units

An introduction to physical education through the study of power yoga. The course includes a historical examination and key philosophical concepts of the yoga tradition, and the evolution of yoga throughout the ages will be covered. Students will practice power yoga poses for muscular development and flexibility, along with, being mindful while using breathing techniques. Basic exercise physiology, nutrition, flexibility, strength, and mental concepts to improve one's physical condition, including, variables which occur due to age, gender, and physical conditions will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002D and P E D02DX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
DA - Physical Meditation

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Develop an increasing awareness of the link between the mind-body connection.
- Assimilate proper asanas to develop muscle strength, endurance, and flexibility.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 22D
Flow Yoga

0.5 Units

This course is an introduction to Kinesiology through flow yoga and includes a historical examination and key philosophical concepts of the yoga tradition, as well as the evolution of yoga throughout the ages. It is designed to introduce students to the flow element of yoga which emphasizes a mind-body connection from pose to pose, breathing techniques, flexibility, and relaxation. Basic exercise physiology, nutrition, flexibility, strength, and mental concepts to improve one's physical condition, including variables which occur due to age, gender, and physical conditions will be covered.

Course Information

General Course Statement(s)

(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002E and P E D02EX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
DA - Physical Meditation

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Develop an increasing awareness of the link between the mind-body connection.
- Assimilate proper sequencing of asanas to develop a flow of breathing and movement.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 22DX
Flow Yoga

1.0 Units

This course is an introduction to Kinesiology through flow yoga and includes a historical examination and key philosophical concepts of the yoga tradition, as well as the evolution of yoga throughout the ages. It is designed to introduce students to the flow element of yoga which emphasizes a mind-body connection from pose to pose, breathing techniques, flexibility, and relaxation. Basic exercise physiology, nutrition, flexibility, strength, and mental concepts to improve one's physical condition, including variables which occur due to age, gender, and physical conditions will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002E and P E D02EX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Physical Meditation Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Physical Meditation

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Develop an increasing awareness of the link between the mind-body connection.
- Assimilate proper sequencing of asanas to develop a flow of breathing and movement.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 22E
Yoga/Pilates Combo

0.5 Units

An introduction to the discipline of physical education through the study of the mind-body connection. Includes a global and historical perspective of mind-body exercise including Yoga and Pilates. Students will practice breathing techniques and examine different ways to center and focus the mind and body using both mat Pilates and Yogic asanas. Basic exercise physiology, nutrition, strength development, and flexibility will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002F and P E D02FX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Physical Meditation Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Physical Meditation

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Develop an increasing awareness of the link between the mind-body connection.
- Assimilate various breathing techniques to induce mindfulness during exercise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 22EX
Yoga/Pilates Combo

1.0 Units

An introduction to the discipline of physical education through the study of the mind-body connection. Includes a global and historical perspective of mind-body exercise including Yoga and Pilates. Students will practice breathing techniques and examine different ways to center and focus the mind and body using both mat Pilates and Yogic asanas. Basic exercise physiology, nutrition, strength development, and flexibility will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002F and P E D02FX respectively.)

Advisory(ies)

EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
DA - Physical Meditation

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Develop an increasing awareness of the link between the mind-body connection.
- Assimilate various breathing techniques to induce mindfulness during exercise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 25A
Stretching

0.5 Units

An introduction to the discipline of Kineseology through stretching. Techniques for improving flexibility including passive and active stretches, partner stretches, and stretches using stability balls and yoga straps will be included. Emphasis will be placed upon flexibility, balance, spatial awareness and safety during stretching. Technique modifications to account for physical limitations will be emphasized. A brief examination of the evolution of the various forms of stretching reflecting cultural, gender, and age differences, exercise physiology,nutrition and wellness concepts related to total fitness, disabilities and/or genetics will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D011. and P E D011X respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Flexibility & Stability

Student Learning Outcomes
- Apply and demonstrate flexibility concepts and use of proper technique for each joint of the body.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 25AX
Stretching

1.0 Units

An introduction to the discipline of Kineseology through stretching. Techniques for improving flexibility including passive and active stretches, partner stretches, and stretches using stability balls and yoga straps will be included. Emphasis will be placed upon flexibility, balance, spatial awareness and safety during stretching. Technique modifications to account for physical limitations will be emphasized. A brief examination of the evolution of the various forms of stretching reflecting cultural, gender, and age differences, exercise physiology,nutrition and wellness concepts related to total fitness, disabilities and/or genetics will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D011. and P E D011X respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Flexibility and Stability Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Flexibility & Stability

Student Learning Outcomes
- Apply and demonstrate flexibility concepts and use of proper technique for each joint of the body.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 25B
Active Isolated Stretching

0.5 Units

An introduction to the discipline of Kinesiology through active isolated stretching (AIS). Techniques for improving flexibility using dynamic facilitated stretching of major muscle groups. Technique modifications to account for physical limitations will be emphasized. A brief examination of the evolution of the various forms of stretching including active isolated stretching techniques will be included. With an emphasis upon exercise physiology, neurological reflexes, hydration, muscular strength and endurance, wellness concepts related to total fitness, age, gender, disabilities and/or genetics will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D011C and P E D11CX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Flexibility and Stability Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Flexibility & Stability

Student Learning Outcomes

- Utilize the concepts of active isolated stretching and be able to apply it.
- Develop an individual program that uses the Active Isolated Stretching (AIS) method to provide effective dynamic facilitated stretches of major muscle groups.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 25BX

Active Isolated Stretching

1.0 Units

An introduction to the discipline of Kinesiology through active isolated stretching (AIS). Techniques for improving flexibility using dynamic facilitated stretching of major muscle groups. Technique modifications to account for physical limitations will be emphasized. A brief examination of the evolution of the various forms of stretching including active isolated stretching techniques will be included. With an emphasis upon exercise physiology, neurological reflexes, hydration, muscular strength and endurance, wellness concepts related to total fitness, age, gender, disabilities and/or genetics will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D011C and P E D11CX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Flexibility & Stability

Student Learning Outcomes

- Utilize the concepts of active isolated stretching and be able to apply it.
- Develop an individual program that uses the Active Isolated Stretching (AIS) method to provide effective dynamic facilitated stretches of major muscle groups.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 26A

Basic Pilates Mat Exercise

0.5 Units

An introduction to Kinesiology through the study of Pilates. Includes a global and historical perspective, key philosophical concepts, and the six principles of Pilates exercise. Students will practice basic Pilates mat techniques to improve concentration, mind relaxation techniques, core strength and flexibility. Includes basic exercise physiology concepts, and nutrition.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002P and P E D02PX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Flexibility & Stability

Student Learning Outcomes

- Assimilate proper breathing techniques to induce concentration and relaxation of the mind and body.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Develop an increasing awareness of the link between the mind - body connection.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 26AX

Basic Pilates Mat Exercise

1.0 Units

An introduction to Kinesiology through the study of Pilates. Includes a global and historical perspective, key philosophical concepts, and the six principles of Pilates exercise. Students will practice basic Pilates mat techniques to improve concentration, mind relaxation techniques, core strength and flexibility. Includes basic exercise physiology concepts, and nutrition.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002P and P E D02PX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Flexibility and Stability Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Flexibility & Stability

Student Learning Outcomes

- Assimilate proper breathing techniques to induce concentration and relaxation of the mind and body.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Develop an increasing awareness of the link between the mind - body connection.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 26B

Integrated Pilates Mat Exercise

0.5 Units

An introduction to Kinesiology through integrated Pilates mat exercise. A variety of equipment will be used to develop core strength and flexibility in this course. Intermediate to advanced Pilates exercises will be practiced to increase and develop muscle mass, discipline of the mind, and rhythmic breathing techniques. Includes exercise physiology concepts, and nutrition.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002T and P E D02TX respectively.)

Prerequisite(s)
KNES 26A or KNES 26AX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Flexibility and Stability Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Flexibility & Stability

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Assimilate proper Pilates techniques while using a variety of equipment.
- Ability to practice movement sequences for postural, static and motor skills as they apply to everyday functional activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 26BX

Integrated Pilates Mat Exercise

1.0 Units

An introduction to Kinesiology through integrated Pilates mat exercise. A variety of equipment will be used to develop core strength and flexibility in this course. Intermediate to advanced Pilates exercises will be practiced to increase and develop muscle mass, discipline of the mind, and rhythmic breathing techniques. Includes exercise physiology concepts, and nutrition.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D002T and P E D02TX respectively.)

Prerequisite(s)
KNES 26A or KNES 26AX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Flexibility & Stability

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Assimilate proper Pilates techniques while using a variety of equipment.
- Ability to practice movement sequences for postural, static and motor skills as they apply to everyday functional activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 29A

Fencing Level 1

0.5 Units

This course is an introduction to Kinesiology through the sport of fencing. Level 1 of fencing will teach the student fundamental techniques and skills utilizing the French foil. The rules and regulations governing fencing will be covered. Exercise physiology, nutrition and wellness concepts related to total fitness and individual variations due to age, gender, and genetics will be explored. A brief historical examination of the various styles of this international sport will be included.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D014A.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Demonstrate with increasing proficiency fundamental offensive and defensive skills utilized in bouting with the French foil.
- Apply knowledge of basic fitness concepts to health and fitness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 29B

Fencing Level 2

0.5 Units

This course examines the subject of Kinesiology through the sport of fencing with a French foil, including the application of more complex combinations of blade and footwork, building on skills that are transferable for use of the epee and sabre. The course will explore the physiological benefits of fencing, fundamental exercise physiology, nutrition, and wellness concepts related to total fitness and individual variations due to age, gender, and genetics.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D014B.)

Prerequisite(s)
KNES 29A or comparable course

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Demonstrate with increasing proficiency the implementation of fundamental offensive and defensive skills related to bouting with the French foil.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 30A

Beginning Golf

0.5 Units

An introduction to the discipline of Kinesiology through the sport of golf. Includes a global and historical examination of the sport, rules, equipment, facilities, etiquette, safety, and basic fundamentals of beginning golf. Students will develop skills in putting, chipping, pitching, and full swing fundamentals utilizing basic theories of physics. The skills portion of the course will encourage an understanding of how to adapt to the game and conventional techniques to an individual's physical abilities. Students will apply basic exercise physiology, nutrition, flexibility and strength concepts to improve their overall playing level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D016A.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform and execute a degree of proficiency with the basic fundamentals of beginning golf.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Demonstrate knowledge of rules, etiquette and safety in the sport of golf.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 30B

Advanced Beginning Golf

0.5 Units

An introduction to the discipline of Kinesiology through the sport of golf at the advanced beginning level. Includes a global and historical examination of the sport, rules, equipment, facilities, etiquette, and safety. The skills portion of the course will focus on mid irons (5, 6 and 7, 8, 9, and putter) and will include approach shots to the green including 3/4 swing, 1/2 swing, and various other chipping shots. The student will also be required to complete practice sessions at a local driving range.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D016D and P E D16DX respectively.)

Prerequisite(s)
KNES 30A or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform swing strokes, and putting skills at advanced beginner level.
- Utilize mid iron clubs for distance and specific shot requirements.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 30BX
Advanced Beginning Golf

1.0 Units

An introduction to the discipline of Kinesiology through the sport of golf at the advanced beginning level. Includes a global and historical examination of the sport, rules, equipment, facilities, etiquette, and safety. The skills portion of the course will focus on mid irons (5, 6 and 7, 8, 9, and putter) and will include approach shots to the green including 3/4 swing, 1/2 swing, and various other chipping shots. The student will also be required to complete practice sessions at a local driving range.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D016D and P E D16DX respectively.)

Prerequisite(s)
KNES 30A or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform swing strokes, and putting skills at advanced beginner level.
- Utilize mid iron clubs for distance and specific shot requirements.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 30C
Intermediate Golf

0.5 Units

An introduction to the discipline of Kinesiology through the sport of golf. Includes an historical examination, styles of play and strategies of the sport of men's and women's golf. Students will strive to develop intermediate skills in putting, chipping, pitching, unusual lies and full swing fundamentals utilizing theories of physics. An understanding of mental strategies as they apply to playing a round game will be addressed. Variations in concepts due to age, gender, and physical conditions will be noted. Exercise physiology, nutrition, flexibility and strength concepts for conditioning will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D016B.)

Prerequisite(s)
KNES 30B or KNES 30BX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform and execute an intermediate level of fundamental skills as it pertains to the sport of golf.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Demonstrate knowledge of rules, etiquette and safety in the sport of golf.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 31A
Beginning Badminton

0.5 Units

This course is an introduction to the discipline of Kinesiology through badminton. This course includes a global and historical examination of the sport, rules, equipment, facilities, etiquette, and basic strokes in beginning-level badminton. Basic exercise physiology, nutrition, flexibility, and strength concepts to improve physical condition will be discussed. The skills portion of the course will encourage an understanding of how to adapt the game and conventional techniques to age, gender, and physical conditions.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D013A and P E D13AX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, and strategies of the sport of badminton.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 31AX
Beginning Badminton

1.0 Units

This course is an introduction to the discipline of Kinesiology through badminton. This course includes a global and historical examination of the sport, rules, equipment, facilities, etiquette, and basic strokes in beginning-level badminton. Basic exercise physiology, nutrition, flexibility, and strength concepts to improve physical condition will be discussed. The skills portion of the course will encourage an understanding of how to adapt the game and conventional techniques to age, gender, and physical conditions.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D013A and P E D13AX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, and strategies of the sport of badminton.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 31B
Intermediate Badminton

0.5 Units

This course provides an introduction to the discipline of Kinesiology through the sport of badminton, including a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Basic exercise physiology, nutrition, fundamentals of strength development, and flexibility relative to playing at an intermediate level will be included. The course will encourage an understanding of how to adapt game strategies and conventional techniques to one's needs and abilities based on age, gender, and environmental conditions, personal strengths, and weaknesses.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D013B and P E D13BX respectively.)

Prerequisite(s)
KNES 31A or KNES 31AX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, and strategies of the sport of badminton.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 31BX
Intermediate Badminton

1.0 Units

This course provides an introduction to the discipline of Kinesiology through the sport of badminton, including a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Basic exercise physiology, nutrition, fundamentals of strength development, and flexibility relative to playing at an intermediate level will be included. The course will encourage an understanding of how to adapt game strategies and conventional techniques to one's needs and abilities based on age, gender, and environmental conditions, personal strengths, and weaknesses.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D013B and P E D13BX respectively.)

Prerequisite(s)
KNES 31A or KNES 31AX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, and strategies of the sport of badminton.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 31C
Advanced Badminton

0.5 Units

This course is a further examination of Kinesiology through the sport of badminton, including an in-depth study of the sport at an advanced level and rules, equipment, facilities, etiquette, and advanced skills and strategy as related to competitive play. Basic exercise physiology, nutrition, flexibility, and strength concepts to improve the physical condition in order to play at a more advanced level will be covered. The skills portion of the course will encourage an understanding of how to adapt the game and conventional techniques to age, gender, and physical conditions.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D013C and P E D13CX respectively.)

Prerequisite(s)
KNES 31B or KNES 31BX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, and strategies of the sport of badminton.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 31CX
Advanced Badminton

1.0 Units

This course is a further examination of Kinesiology through the sport of badminton, including an in-depth study of the sport at an advanced level and rules, equipment, facilities, etiquette, and advanced skills and strategy as related to competitive play. Basic exercise physiology, nutrition, flexibility, and strength concepts to improve the physical condition in order to play at a more advanced level will be covered. The skills portion of the course will encourage an understanding of how to adapt the game and conventional techniques to age, gender, and physical conditions.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D013C and P E D13CX respectively.)

Prerequisite(s)
KNES 31B or KNES 31BX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, and strategies of the sport of badminton.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 31J
Pickleball Level 1

0.5 Units

This course covers the development of beginning-level playing and competitive skills in the paddle sport of pickleball. Instruction in the beginning skills, techniques, strategies, along with rules and etiquette. Pickleball features simple rules and is easy to learn. Because beginners can enjoy the sport almost immediately, while advanced players experience it as a fast-paced, highly competitive game, pickleball is suitable for individuals of all ages, fitness levels and athletic abilities.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, and strategies of the sport of pickleball.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 31JX

Pickleball Level 1

1.0 Units

This course covers the development of beginning-level playing and competitive skills in the paddle sport of pickleball and instruction will be in the beginning skills of techniques and strategies, along with rules and etiquette. Pickleball features simple rules and is easy to learn. Because beginners can enjoy the sport almost immediately, while advanced players experience it as a fast-paced, highly competitive game, pickleball is suitable for individuals of all ages, fitness levels, and athletic abilities.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, and strategies of the sport of pickleball.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 31K

Pickleball Level 2

0.5 Units

This course focuses on the development of intermediate-level playing and competitive skills in the paddle sport of pickleball and instruction will be in the intermediate skills of techniques and strategies, along with rules and etiquette. Pickleball features simple rules and is easy to learn. Because beginners can enjoy the sport almost immediately, while advanced players experience it as a fast-paced, highly competitive game, pickleball is suitable for individuals of all ages, fitness levels, and athletic abilities.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
KNES 31J or KNES 31JX

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, and strategies of the sport of pickleball.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 31KX

Pickleball Level 2

1.0 Units

Development of intermediate-level playing and competitive skills in the paddle sport of pickleball. Instruction in the intermediate skills, techniques, strategies, along with rules and etiquette. Pickleball features simple rules and is easy to learn. Because beginners can enjoy the sport almost immediately, while advanced players experience it as a fast-paced, highly competitive game, pickleball is suitable for individuals of all ages, fitness levels, and athletic abilities.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
KNES 31J or KNES 31JX

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, and strategies of the sport of pickleball.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 32A
Beginning Tennis

0.5 Units

An introduction to the discipline of Physical Education through the sport of tennis. Basic ground-strokes, serve and footwork as well as basic singles' and doubles' strategies will be covered. Includes a brief historical examination of the sport, rules, equipment, facilities and etiquette. Students will strive to understand and apply basic exercise physiology, nutrition, flexibility and strength concepts to improve their physical condition in order to play at a more advanced level and to adapt the game to their individual physical ability, age, and gender.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D021A and P E D21AX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform with increasing proficiency the skills and footwork of the game of tennis.
- Apply knowledge of basic fitness concepts to health and fitness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 32AX
Beginning Tennis

1.0 Units

An introduction to the discipline of Physical Education through the sport of tennis. Basic ground-strokes, serve and footwork as well as basic singles' and doubles' strategies will be covered. Includes a brief historical examination of the sport, rules, equipment, facilities and etiquette. Students will strive to understand and apply basic exercise physiology, nutrition, flexibility and strength concepts to improve their physical condition in order to play at a more advanced level and to adapt the game to their individual physical ability, age, and gender.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D021A and P E D21AX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform with increasing proficiency the skills and footwork of the game of tennis.
- Apply knowledge of basic fitness concepts to health and fitness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 32B
Advanced Beginning Tennis

0.5 Units

A continuing introduction to the discipline of Kinesiology through the rules, equipment, facilities, etiquette, and basic strokes - volley, lob and overhead and with further development of the forehand, backhand, serve. Instructors will emphasize conventional skill development, but also encourage adaptations based on physical ability, age, strength, gender and/or genetics. A brief historical examination of how the game of tennis has changed due to the influence of individual men, women, and children, of various countries, and their styles of play or strategies. Students will review and apply basic exercise physiology, nutrition, flexibility and strength concepts to improve their physical condition in order to play tennis at a more advanced level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D021B and P E D21BX respectively.)

Prerequisite(s)
KNES 32A or KNES 32AX, or equivalent skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform with increasing proficiency the skills and footwork of the game of tennis.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours | Course Out-of-Class Hours

Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 32BX

Advanced Beginning Tennis

1.0 Units

A continuing introduction to the discipline of Kinesiology through the rules, equipment, facilities, etiquette, and basic strokes - volley, lob and overhead and with further development of the forehand, backhand, serve. Instructors will emphasize conventional skill development, but also encourage adaptations based on physical ability, age, strength, gender and/or genetics. A brief historical examination of how the game of tennis has changed due to the influence of individual men, women, and children, of various countries, and their styles of play or strategies. Students will review and apply basic exercise physiology, nutrition, flexibility and strength concepts to improve their physical condition in order to play tennis at a more advanced level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D021B and P E D21BX respectively.)

Prerequisite(s)
KNES 32A or KNES 32AX, or equivalent skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform with increasing proficiency the skills and footwork of the game of tennis.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 32C

Intermediate Tennis

0.5 Units

An introduction to the discipline of Kinesiology through tennis. Development of consistency, accuracy and control for forehand, backhand ground-strokes, serve, volley, lob and overhead skills utilizing fundamental theories of physics. Introducing elements of changing the dynamics of the game with spins and drop shots or by approaching the net; basic singles and doubles strategies. A brief historical examination of how the game of tennis has changed due to the influence of individual men, women, and children, of various countries, and their styles of play or strategies. Students will review and apply basic exercise physiology, nutrition, flexibility and strength concepts to improve their physical condition in order to play tennis at a more advanced level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D021C and P E D21CX respectively.)

Prerequisite(s)
KNES 32B or KNES 32BX, or equivalent skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Individual Sports

Student Learning Outcomes
- Implement with increasing proficiency the skills and footwork of the game of tennis.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 32CX

Intermediate Tennis

1.0 Units

An introduction to the discipline of Kinesiology through tennis. Development of consistency, accuracy and control for forehand, backhand ground-strokes, serve, volley, lob and overhead skills utilizing fundamental theories of physics. Introducing elements of changing the dynamics of the game with spins and drop shots or by approaching the net; basic singles and doubles strategies. A brief historical examination of how the game of tennis has changed due to the influence of individual men, women, and children, of various countries, and their styles of play or strategies. Students will review and apply basic exercise physiology, nutrition, flexibility and strength concepts to improve their physical condition in order to play tennis at a more advanced level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D021C and P E D21CX respectively.)

Prerequisite(s)
KNES 32B or KNES 32BX, or equivalent skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Implement with increasing proficiency the skills and footwork of the game of tennis.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours | Course Out-of-Class Hours

Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 32D

Advanced Tennis

1.0 Units

This course further examines Kinesiology through tennis. Basic exercise physiology, nutrition, fundamentals of strength development and flexibility relative to playing at an advanced level will be included. The course will encourage an understanding of how to adapt game strategies and conventional techniques to one's needs and abilities based on age, gender and environmental conditions, personal strengths and weaknesses.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D021D and P E D21DX respectively.)

Prerequisite(s)
KNES 32C or D32CX, or equivalent skills based on instructor's evaluation

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Implement with increasing proficiency the skills and footwork of the game of tennis.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 32DX

Advanced Tennis

1.0 Units

This course further examines Kinesiology through tennis. Basic exercise physiology, nutrition, fundamentals of strength development and flexibility relative to playing at an advanced level will be included. The course will encourage an understanding of how to adapt game strategies and conventional techniques to one's needs and abilities based on age, gender and environmental conditions, personal strengths and weaknesses.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D021D and P E D21DX respectively.)

Prerequisite(s)
KNES 32C or D32CX, or equivalent skills based on instructor's evaluation

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Individual Sports

Student Learning Outcomes
- Implement with increasing proficiency the skills and footwork of the game of tennis.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 32E

Beginning Table Tennis

0.5 Units

An introduction to the discipline of Physical Education through table tennis. Includes a global and historical examination of the sport, rules, equipment, facilities, etiquette, and basic strokes in beginning level table tennis. Basic exercise physiology, nutrition, flexibility and strength concepts to improve physical condition will be discussed. The skills portion of the course will encourage an understanding of how to adapt the game and conventional techniques to age, gender and physical conditions.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, and strategies of the sport of table tennis.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 32EX

Beginning Table Tennis

1.0 Units

An introduction to the discipline of Physical Education through table tennis. Includes a global and historical examination of the sport, rules, equipment, facilities, etiquette, and basic strokes in beginning level table tennis. Basic exercise physiology, nutrition, flexibility and

strength concepts to improve physical condition will be discussed. The skills portion of the course will encourage an understanding of how to adapt the game and conventional techniques to age, gender and physical conditions.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, and strategies of the sport of table tennis.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 32F
Intermediate Table Tennis

0.5 Units

Development of consistency, accuracy and control for forehand, backhand strokes, and serve. Introducing elements of changing the dynamics of the game with spins; basic singles and doubles strategies. Includes a global and historical examination of the sport, rules, equipment, facilities, etiquette, in intermediate level table tennis. Basic exercise physiology, nutrition, flexibility and strength concepts to improve physical condition will be discussed. The skills portion of the course will encourage an understanding of how to adapt the game and conventional techniques to age, gender and physical conditions.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
KNES 32E or KNES 32EX

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Individual Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Individual Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform with increased proficiency the skills, footwork, and strategies of the sport of table tennis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 32FX
Intermediate Table Tennis

1.0 Units

Development of consistency, accuracy and control for forehand, backhand strokes, and serve. Introducing elements of changing the dynamics of the game with spins; basic singles and doubles strategies. Includes a global and historical examination of the sport, rules, equipment, facilities, etiquette, in intermediate level table tennis. Basic exercise physiology, nutrition, flexibility and strength concepts to improve physical condition will be discussed. The skills portion of the course will encourage an understanding of how to adapt the game and conventional techniques to age, gender and physical conditions.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
KNES 32E or KNES 32EX

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Individual Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform with increased proficiency the skills, footwork, and strategies of the sport of table tennis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 36A
Team Sport - Basketball Level 1

0.5 Units

An introduction to the discipline of Kinesiology through beginning basketball. Activities include individual and team strategies and techniques required for competitive games. A brief historical examination of significant national and international contributions to the development of styles of play will be presented. The impact of culture and gender on amateur and professional levels of competition will also be analyzed. Skills emphasized will enable students to participate in informal basketball (streetball) activities. Students will recognize basketball needs associated with physiology, nutrition, flexibility, and strength concepts in order to improve level of skill. Instructors will motivate and encourage students to practice and adapt skills to physical ability, age, strength, and gender. Major emphasis on tournament format participation.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D001H and P E D01HX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Team Sports

Student Learning Outcomes
- Perform, through play/activity, the basic skills associated with team offensive and defensive concepts of basketball.
- Apply and demonstrate fundamental understanding of street and formal rules of basketball.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 36AX

Team Sport - Basketball Level 1

1.0 Units

An introduction to the discipline of Kinesiology through beginning basketball. Activities include individual and team strategies and techniques required for competitive games. A brief historical examination of significant national and international contributions to the development of styles of play will be presented. The impact of culture and gender on amateur and professional levels of competition will also be analyzed. Skills emphasized will enable students to participate in informal basketball (streetball) activities. Students will recognize basketball needs associated with physiology, nutrition, flexibility, and strength concepts in order to improve their level of skill. Instructors will motivate and encourage students to practice and adapt skills to physical ability, age, strength, and gender. Major emphasis on tournament format participation.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D001H and P E D01HX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Perform, through play/activity, the basic skills associated with team offensive and defensive concepts of basketball.
- Apply and demonstrate fundamental understanding of street and formal rules of basketball.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 37A

Soccer

0.5 Units

An introductory course to enhance skills used in the game of soccer, including a global perspective and the contributions of both male and female soccer experts and players. Emphasis will be placed upon the four major pillars of the game: technical ability, tactical understanding, physical fitness, and the mental approach necessary to compete successfully in match play. Strategies and tactics of the game will also be discussed and performed. There will be an introduction to the laws of the game, equipment, fair play, flexibility, nutrition, and the nuances of the game. Use of the Internet and other media sources will be encouraged to further understand the world's most popular game.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D033A and P E D33AX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, and strategies of the sport of soccer.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 37AX

Soccer

1.0 Units

An introductory course to enhance skills used in the game of soccer, including a global perspective and the contributions of both male and female soccer experts and players. Emphasis will be placed upon the four major pillars of the game: technical ability, tactical understanding, physical fitness, and the mental approach necessary to compete successfully in match play. Strategies and tactics of the game will also be discussed and performed. There will be an introduction to the laws of the game, equipment, fair play, flexibility, nutrition, and

the nuances of the game. Use of the Internet and other media sources will be encouraged to further understand the world's most popular game.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D033A and P E D33AX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Team Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, and strategies of the sport of soccer.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 37B
Soccer Level 2

0.5 Units

An introduction to the discipline of Kinesiology through the game of soccer, including a global perspective and the contributions of both male and female soccer experts and players. Emphasis will be placed upon the four major pillars of the game: technical ability, tactical understanding, physical fitness, and the mental approach necessary to compete successfully in match play. Technical skills and small group strategies and tactics will be introduced and performed. There will be a discussion introducing additional laws of the game, equipment, fair play, flexibility, nutrition, and the nuances of the game. Use of the Internet and other media sources will be encouraged to further understand the world's most popular game.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D033D and P E D33DX respectively.)

Prerequisite(s)
KNES 37A or KNES 37AX, or equivalent skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform soccer skills and strategies that are performed in small group settings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 37BX
Soccer Level 2

1.0 Units

An introduction to the discipline of Kinesiology through the game of soccer, including a global perspective and the contributions of both male and female soccer experts and players. Emphasis will be placed upon the four major pillars of the game: technical ability, tactical understanding, physical fitness, and the mental approach necessary to compete successfully in match play. Technical skills and small group strategies and tactics will be introduced and performed. There will be a discussion introducing additional laws of the game, equipment, fair play, flexibility, nutrition, and the nuances of the game. Use of the Internet and other media sources will be encouraged to further understand the world's most popular game.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D033D and P E D33DX respectively.)

Prerequisite(s)
KNES 37A or KNES 37AX, or equivalent skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform soccer skills and strategies that are performed in small group settings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 37C
Soccer Level 3

0.5 Units

An introduction to the discipline of physical education through the game of soccer, including a global perspective and the contributions of both male and female soccer experts and players. Emphasis will be placed upon the four major pillars of the game: technical ability, tactical understanding, physical fitness, and the mental approach necessary to compete successfully in match play. Team offensive and defensive skills, strategies and tactics will be introduced and performed. There will be a discussion on additional laws of the game, equipment, fair play, flexibility, nutrition, and the nuances of the game. Use of the Internet and other media sources will be encouraged to further understand the world's most popular game.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D033E and P E D33EX respectively.)

Prerequisite(s)
KNES 37B or KNES 37BX, or equivalent skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform soccer skills and strategies that are performed in large group settings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 37CX
Soccer Level 3

1.0 Units

An introduction to the discipline of physical education through the game of soccer, including a global perspective and the contributions of both male and female soccer experts and players. Emphasis will be placed upon the four major pillars of the game: technical ability, tactical understanding, physical fitness, and the mental approach necessary to compete successfully in match play. Team offensive and defensive skills, strategies and tactics will be introduced and performed. There will be a discussion on additional laws of the game, equipment, fair play, flexibility, nutrition, and the nuances of the game. Use of the Internet and other media sources will be encouraged to further understand the world's most popular game.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D033E and P E D33EX respectively.)

Prerequisite(s)
KNES 37B or KNES 37BX, or equivalent skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform soccer skills and strategies that are performed in large group settings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 37D
Soccer Level 4

0.5 Units

An introduction to the discipline of physical education through the game of soccer, including a global perspective and the contributions of both male and female soccer experts and players. Emphasis will be placed upon the four major pillars of the game: technical ability, tactical understanding, physical fitness, and the mental approach necessary to compete successfully in match play. Tactical skills and comprehensive team strategies will be practiced and performed. There will be a discussion introducing additional laws of the game, equipment, fair play, flexibility, nutrition, and the nuances of the game. Use of the Internet and other media sources will be encouraged to further understand the world's most popular game.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D033F and P E D33FX respectively.)

Prerequisite(s)
KNES 37C or KNES 37CX, or equivalent skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Learn the roles and responsibilities of player positions in both the attacking and defending sides of the game.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 37DX
Soccer Level 4

1.0 Units

An introduction to the discipline of physical education through the game of soccer, including a global perspective and the contributions of both male and female soccer experts and players. Emphasis will be placed upon the four major pillars of the game: technical ability, tactical understanding, physical fitness, and the mental approach necessary to compete successfully in match play. Tactical skills and comprehensive team strategies will be practiced and performed. There will be a discussion introducing additional laws of the game, equipment, fair play, flexibility, nutrition, and the nuances of the game. Use of the Internet and other media sources will be encouraged to further understand the world's most popular game.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D033F and P E D33FX respectively.)

Prerequisite(s)
KNES 37C or KNES 37CX, or equivalent skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Learn the roles and responsibilities of player positions in both the attacking and defending sides of the game.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 37E

Indoor Soccer

0.5 Units

An introduction to the discipline of Physical Education through the sport of indoor soccer. Includes a global perspective and the contributions of both male and female soccer experts and players. Emphasis will be placed upon the four major pillars of the game, strategies and tactics of the game will also be discussed and performed. There will be an introduction to the laws of the game, equipment, fair play, flexibility, nutrition, and the nuances of the game. Use of the Internet and other media sources will be encouraged to further understand indoor soccer.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D033I.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, and strategies of the sport of indoor soccer.
- Apply knowledge of basic fitness concepts to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 38A

Futsal Level 1

0.5 Units

This course introduces the discipline of Kinesiology through futsal (basic beginner level). Introductory skills at the beginning level will be learned for this game played indoors on a basketball court. The course will include a global perspective of futsal and a historical review of the sport. Emphasis will be placed upon the four major pillars of the game: with a basic understanding of the sport and the ability to be able to perform basic moves of elementary futsal. An introduction to the laws of the game pertaining to individual and pairs play, proper equipment, fair play, flexibility, and nutrition will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D033J and P E D33JX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform basic futsal skills, including passing and receiving the ball with the inside and bottom of the feet.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 38AX

Futsal Level 1

1.0 Units

This course introduces the discipline of Kinesiology through futsal (basic beginner level). Introductory skills at the beginning level will be learned for this game played indoors on a basketball court. The course will include a global perspective of futsal and a historical review of the sport. Emphasis will be placed upon the four major pillars of the game: with a basic understanding of the sport and the ability to be able to perform basic moves of elementary futsal. An introduction to the laws of the game pertaining to individual and pairs play, proper equipment, fair play, flexibility, and nutrition will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D033J and P E D33JX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform basic futsal skills, including passing and receiving the ball with the inside and bottom of the feet.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 38B

Futsal Level 2

0.5 Units

This course is a further introduction to Kinesiology through the sport of futsal (advanced beginner level). The focus will be on the advancement in futsal skills, including technical ability, and tactical understanding for this game played indoors on a basketball court. The course includes a global perspective of futsal and a historical review of the sport. Advanced-beginner level skills and small group (partners) strategies and tactics will be performed. An introduction to the laws of the game pertaining to free kicks, kick-ins, goal kicks, and corner kicks will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D033K and P E D33KX respectively.)

Prerequisite(s)
KNES 38A or KNES 38AX, or equivalent skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform advanced-beginner futsal skills and strategies that are performed in small group settings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 38BX

Futsal Level 2

1.0 Units

This course is a further introduction to Kinesiology through the sport of futsal (advanced beginner level). The focus will be on the advancement in futsal skills, including technical ability, and tactical understanding for this game played indoors on a basketball court. The course includes a global perspective of futsal and a historical review of the sport. Advanced-beginner level skills and small group (partners) strategies and tactics will be performed. An introduction to the laws of the game pertaining to free kicks, kick-ins, goal kicks, and corner kicks will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D033K and P E D33KX respectively.)

Prerequisite(s)
KNES 38A or KNES 38AX, or equivalent skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform advanced-beginner futsal skills and strategies that are performed in small group settings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 38C

Futsal Level 3

0.5 Units

This course is an introduction to Kinesiology through futsal (intermediate level) and includes a global perspective of futsal and a historical review of the sport. Emphasis will be placed on the technical ability at level 3. Tactical techniques, increased fitness, and the mental approach necessary to compete in match play will also be emphasized, while full side strategies and tactics will be discussed and performed. Nutrition, muscular endurance, stretching, and nutrition will be highlighted in the course.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability

Transferable to both UC and CSU

Formerly Statement
(Formerly P E D033L and P E D33LX respectively.)

Prerequisite(s)
KNES 38B or KNES 38BX, or equivalent skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform intermediate futsal skills and strategies that are performed in small group and large group settings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 38CX
Futsal Level 3

1.0 Units

This course is an introduction to Kinesiology through futsal (intermediate level) and includes a global perspective of futsal and a historical review of the sport. Emphasis will be placed on the technical ability at level 3. Tactical techniques, increased fitness, and the mental approach necessary to compete in match play will also be emphasized, while full side strategies and tactics will be discussed and performed. Nutrition, muscular endurance, stretching, and nutrition will be highlighted in the course.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D033L and P E D33LX respectively.)

Prerequisite(s)
KNES 38B or KNES 38BX, or equivalent skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform intermediate futsal skills and strategies that are performed in small group and large group settings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 38D
Futsal Level 4

0.5 Units

This course is an introduction to the field of Kinesiology through the game of Futsal. More enhanced skills used in the game of futsal are the focus of this course and is taught at the competitive level for the more advanced student. Technical ability, tactical understanding, physical fitness, and the mental approach necessary to compete successfully in match play will be emphasized. Competitive skills and full team strategies and tactics will be discussed and performed. There will be a discussion introducing additional laws of the game, the role of referee, match fitness, nutrition, and nuances of the game.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D033M and P E D33MX respectively.)

Prerequisite(s)
KNES 38C or KNES 38CX, or equivalent skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Learning the roles and responsibilities of player positions in both the attacking and defending sides of the game.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 38DX
Futsal Level 4

1.0 Units

This course is an introduction to the field of Kinesiology through the game of Futsal. More enhanced skills used in the game of futsal are the focus of this course and is taught at the competitive level for the more advanced student. Technical ability, tactical understanding, physical fitness, and the mental approach necessary to compete successfully in match play will be emphasized. Competitive skills and full team strategies and tactics will be discussed and performed. There will be a discussion introducing additional laws of the game, the role of referee, match fitness, nutrition, and nuances of the game.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement

(Formerly P E D033M and P E D33MX respectively.)

Prerequisite(s)
KNES 38C or KNES 38CX, or equivalent skills

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Learning the roles and responsibilities of player positions in both the attacking and defending sides of the game.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 39A
Volleyball Level 1

0.5 Units

This is an introductory course in Kinesiology designed to enhance skills used in the game of volleyball. Topics include the rules, equipment, facilities, safety, etiquette, basic fundamentals in beginning level volleyball with strategies for team offense and defense, and a brief historical examination of global contributions by the men and women who changed the game of volleyball. Students will develop passing, hitting, blocking, and serving techniques. The skills portion of the course will encourage an understanding of how to adapt the game and conventional techniques to an individual's physical abilities. Students will understand and apply basic exercise physiology, nutrition, flexibility, and strength concepts to improve their physical condition in order to play at a more advanced level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D019A and P E D19AX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform with an increasing degree of proficiency basic skills of volleyball.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 39AX
Volleyball Level 1

1.0 Units

This is an introductory course in Kinesiology designed to enhance skills used in the game of volleyball. Topics include the rules, equipment, facilities, safety, etiquette, basic fundamentals in beginning level volleyball with strategies for team offense and defense, and a brief historical examination of global contributions by the men and women who changed the game of volleyball. Students will develop passing, hitting, blocking, and serving techniques. The skills portion of the course will encourage an understanding of how to adapt the game and conventional techniques to an individual's physical abilities. Students will understand and apply basic exercise physiology, nutrition, flexibility, and strength concepts to improve their physical condition in order to play at a more advanced level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D019A and P E D19AX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform with an increasing degree of proficiency basic skills of volleyball.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 39B
Volleyball Level 2

0.5 Units

This is a continued introduction to the discipline of Kinesiology through the sport of volleyball. Topics include a global and historical examination of the sport, rules, equipment, facilities, etiquette, safety, and fundamentals of volleyball. Students will develop their volleyball skills and improve upon basic team play strategies. Students will apply basic exercise physiology, nutrition, flexibility, and strength concepts to improve their overall playing level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement

(Formerly P E D019B and P E D19BX respectively.)

Prerequisite(s)
KNES 39A or KNES 39AX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies and physical skills of volleyball with an increasing degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 39BX
Volleyball Level 2

1.0 Units

This is a continued introduction to the discipline of Kinesiology through the sport of volleyball. Topics include a global and historical examination of the sport, rules, equipment, facilities, etiquette, safety, and fundamentals of volleyball. Students will develop their volleyball skills and improve upon basic team play strategies. Students will apply basic exercise physiology, nutrition, flexibility, and strength concepts to improve their overall playing level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D019B and P E D19BX respectively.)

Prerequisite(s)
KNES 39A or KNES 39AX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies and physical skills of volleyball with an increasing degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 39C
Volleyball Level 3

0.5 Units

This is an intermediate-advanced course in Kinesiology designed to enhance skills and knowledge in the sport of volleyball. Topics include a global and historical examination of the sport, rules, equipment, facilities, etiquette, safety, and fundamentals of intermediate-advanced volleyball. Students will develop their volleyball skills and improve upon team play strategies. Students will apply basic exercise physiology, nutrition, flexibility, and strength concepts to improve their overall playing level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D019C and P E D19CX respectively.)

Prerequisite(s)
KNES 39B or KNES 39BX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies and physical skills of volleyball with an increasing degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 39CX
Volleyball Level 3

1.0 Units

This is an intermediate-advanced course in Kinesiology designed to enhance skills and knowledge in the sport of volleyball. Topics include a global and historical examination of the sport, rules, equipment, facilities, etiquette, safety, and fundamentals of intermediate-advanced volleyball. Students will develop their volleyball skills and improve upon team play strategies. Students will apply basic exercise physiology, nutrition, flexibility, and strength concepts to improve their overall playing level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D019C and P E D19CX respectively.)

Prerequisite(s)
KNES 39B or KNES 39BX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies and physical skills of volleyball with an increasing degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 39DX
Volleyball Level 4

1.0 Units

This is an advanced course in Kinesiology designed to enhance skills and knowledge in the sport of volleyball. Topics include a global and historical examination of the sport, rules, equipment, facilities, etiquette, safety, and fundamentals of advanced volleyball through tournament play. Students will improve upon team play strategies. The primary purpose of this course is to promote educational and organized competitive playing opportunities for males and females. Students will apply exercise physiology, nutrition, flexibility, and strength concepts for an advanced level of play.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D019T.)

Prerequisite(s)
KNES 39C or KNES 39CX, or permission of instructor

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform individual and team volleyball skills with an increasing degree of proficiency through tournament play.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 40A
Flag Football 1

0.5 Units

An introduction to the discipline of kinesiology through the game of flag football. This is an introductory course designed to give students the opportunity to review and practice the basic fundamental skills relative to the game of flag football. Basic physiology, nutrition, strength, and flexibility concepts will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts to health and fitness.
- Perform the basic skills necessary to participate in the game of flag football.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 40AX
Flag Football 1

1.0 Units

An introduction to the discipline of kinesiology through the game of flag football. This is an introductory course designed to give students the opportunity to review and practice the basic fundamental skills relative to the game of flag football. Basic physiology, nutrition, strength, and flexibility concepts will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts to health and fitness.
- Perform the basic skills necessary to participate in the game of flag football.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 40B
Flag Football 2

0.5 Units

An introduction to the discipline of Kinesiology through the game of flag football. This is designed to give students the opportunity to review and practice the intermediate skills relative to the game of flag football. An introduction to the tactics of flag football will be covered. Basic physiology, nutrition, strength, and flexibility concepts will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
KNES 40A or KNES 40AX

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts to health and fitness.
- Perform the intermediate skills necessary to participate in the game of flag football.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 40BX
Flag Football 2

1.0 Units

An introduction to the discipline of Kinesiology through the game of flag football. This is designed to give students the opportunity to review and practice the intermediate skills relative to the game of flag football. An introduction to the tactics of flag football will be covered. Basic physiology, nutrition, strength, and flexibility concepts will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
KNES 40A or KNES 40AX

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts to health and fitness.
- Perform the intermediate skills necessary to participate in the game of flag football.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 40C
Flag Football 3

0.5 Units

An introduction to the discipline of kinesiology through the game of flag football. This is designed to give students the opportunity to review and practice the advanced skills relative to the game of flag football. An advanced examination of the tactics of flag football will be covered. Basic physiology, nutrition, strength, and flexibility concepts will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
KNES 40B or KNES 40BX

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts to health and fitness.
- Perform the advanced skills necessary to participate in the game of flag football.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 40CX

Flag Football 3

1.0 Units

An introduction to the discipline of Kinesiology through the game of flag football. This is designed to give students the opportunity to review and practice the advanced skills relative to the game of flag football. An advanced examination of the tactics of flag football will be covered. Basic physiology, nutrition, strength, and flexibility concepts will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
KNES 40B or KNES 40BX

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of basic fitness concepts to health and fitness.
- Perform the advanced skills necessary to participate in the game of flag football.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 41A

Ultimate Frisbee 1

0.5 Units

An introduction to the discipline of kinesiology through the sport of Ultimate Frisbee. Includes a global perspective and the contributions of both male and female Ultimate Frisbee experts and players. Emphasis will be placed in psychomotor, cognitive, and effective domains of the sport. There will be an introduction to the laws of the game, equipment, fair play, flexibility, nutrition, and the nuances of the game.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, handling, and strategies of Ultimate Frisbee.
- Apply knowledge of basic fitness concepts to health and wellness.
- Apply knowledge of the rules of the game of Ultimate Frisbee and apply sportsmanship and cooperation during the learning process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 41AX

Ultimate Frisbee 1

1.0 Units

An introduction to the discipline of kinesiology through the sport of Ultimate Frisbee. Includes a global perspective and the contributions of both male and female Ultimate Frisbee experts and players. Emphasis will be placed in psychomotor, cognitive, and effective domains of the sport. There will be an introduction to the laws of the game, equipment, fair play, flexibility, nutrition, and the nuances of the game.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, handling, and strategies of Ultimate Frisbee.
- Apply knowledge of basic fitness concepts to health and wellness.
- Apply knowledge of the rules of the game of Ultimate Frisbee and apply sportsmanship and cooperation during the learning process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)

12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 41B

Ultimate Frisbee 2

0.5 Units

An intermediate exploration into the discipline of Kinesiology through the sport of Ultimate Frisbee. Includes a global perspective and the contributions of both male and female Ultimate Frisbee experts and players. Emphasis will be placed in psychomotor, cognitive, and effective domains of the sport. There will be a complete exploration into the laws of the game, equipment, fair play, flexibility, nutrition, and the nuances of the game.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Successful completion of KNES 41A, KNES 41AX or skills equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of the rules of the game of Ultimate Frisbee and apply sportsmanship and cooperation during the learning process.
- Perform with increased proficiency the skills, footwork, handling, and strategies of Ultimate Frisbee at an intermediate level.
- Apply knowledge of basic fitness concepts to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 41BX

Ultimate Frisbee 2

1.0 Units

An intermediate exploration into the discipline of Kinesiology through the sport of Ultimate Frisbee. Includes a global perspective and the contributions of both male and female Ultimate Frisbee experts and players. Emphasis will be placed in psychomotor, cognitive, and effective domains of the sport. There will be a complete exploration into the laws of the game, equipment, fair play, flexibility, nutrition, and the nuances of the game.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Successful completion of KNES 41A, KNES 41AX or skills equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Apply knowledge of the rules of the game of Ultimate Frisbee and apply sportsmanship and cooperation during the learning process.
- Perform with increased proficiency the skills, footwork, handling, and strategies of Ultimate Frisbee at an intermediate level.
- Apply knowledge of basic fitness concepts to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 41C

Ultimate Frisbee 3

0.5 Units

An advanced exploration into the discipline of Kinesiology through the sport of Ultimate Frisbee. Includes a global perspective and the contributions of both male and female Ultimate Frisbee experts and players. Emphasis will be placed in psychomotor, cognitive, and effective domains of the sport. There will be an introduction to the laws of the game, equipment, fair play, flexibility, nutrition, and the nuances of the game.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
KNES 41B or KNES 41BX

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, handling, and strategies of Ultimate Frisbee at an advanced level.
- Apply knowledge of the rules of the game of Ultimate Frisbee and apply sportsmanship and cooperation during the learning process.
- Apply knowledge of basic fitness concepts to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 41CX

Ultimate Frisbee 3

1.0 Units

An advanced exploration into the discipline of Kinesiology through the sport of Ultimate Frisbee. Includes a global perspective and the contributions of both male and female Ultimate Frisbee experts and players. Emphasis will be placed in psychomotor, cognitive, and effective domains of the sport. There will be an introduction to the laws of the game, equipment, fair play, flexibility, nutrition, and the nuances of the game.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
KNES 41B or KNES 41BX

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Team Sports Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Team Sports

Student Learning Outcomes
- Perform with increased proficiency the skills, footwork, handling, and strategies of Ultimate Frisbee at an advanced level.
- Apply knowledge of the rules of the game of Ultimate Frisbee and apply sportsmanship and cooperation during the learning process.
- Apply knowledge of basic fitness concepts to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 42C

High Intensity Motor Training

0.5 Units

An introduction to the discipline of Kinesiology through human motor development. Emphasis will be placed upon heart rate based Interval training. Peak and reserve rates will provide a backdrop for elevated motor training. Improved health and fitness will be the main focus for students whether novice or elite. Interaction will occur in a collaborative setting.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D007C and P E D07CX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Kinesiology Motor Development Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Kinesiology Motor Development

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Develop personal cardiovascular fitness strategies.
- Assess and understand the heart rate training system and the methodologies of interval training.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	24.0	**Laboratory**	0.0
Total	24.0	**Total**	0.0

KNES 42CX

High Intensity Motor Training

1.0 Units

An introduction to the discipline of Kinesiology through human motor development. Emphasis will be placed upon heart rate based Interval training. Peak and reserve rates will provide a backdrop for elevated motor training. Improved health and fitness will be the main focus for students whether novice or elite. Interaction will occur in a collaborative setting.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D007C and P E D07CX respectively.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(This course is included in the Kinesiology Motor Development Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Kinesiology Motor Development

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Develop personal cardiovascular fitness strategies.
- Assess and understand the heart rate training system and the methodologies of interval training.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0

Total	36.0	**Total**	0.0

KNES 45

Introduction to Kinesiology

5.0 Units

An introduction to the discipline of physical education/kinesiology. The student will study career options, required preparation and training for occupations in teaching, coaching, physical therapy, sports nutrition, sports medicine and other professions stemming from a degree in physical education/kinesiology. Includes an in-depth overview of human movement and performance, foundations and principles of physical education/kinesiology, and the importance of the sub-disciplines in kinesiology. Focus will also be placed on and give the student an understanding of cultural, age and gender differences. Title IX requirements relating to the profession will also be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D030.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Analyze and compare the basic concepts of Kinesiology and how they relate to motor-learning control, motor development, biomechanics, exercise physiology, social psychological foundations, and nutrition.
- Apply basic understanding and knowledge to the study of motion of the human body when exercising or participating in a physical activity or program and the movement forms of sports, dance, and exercise.
- Apply, compare, and contrast the specific beneficial or disadvantageous aspects relating to career options and choices in Physical Education/Kinesiology and other related fields.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

KNES 46

Care and Prevention of Athletic Injuries

4.0 Units

This course covers treatment and preventative procedures in sports medicine. Emphasis will be placed on an anatomical basis for the recognition and evaluation of sports-related injuries. Treatment focuses on immediate first aid, preventative techniques, and injury stress test and rehabilitation. Psychological, cultural, emotional, and social factors that contribute to and affect rehabilitation efforts will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly P E D035.)

Prerequisite(s)
BIOL 40A

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Develop an understanding of the mechanical forces generated with athletic injuries.
- Develop an understanding of the appropriate methods to determine severity of injuries.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

KNES 47

Introduction to Women in Sports

5.0 Units

An introduction to the field of Kinesiology through women in sport. Students will gain an understanding of the journey of women in sport, through a chronological history, analysis and interpretation of people, events, and issues that affect women in sport, in past and present day society. Physiological, sociological, and psychological aspects of female athletes as related to sports, history, and education will be covered. Students will gain an understanding of the significant events of women in sport from the past to the present and how their significance will possibly determine the future of women in sports.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Recognize the history and impact of women in athletics/sports.
- Summarize the physiological, sociological, and psychological issues of women in sports.
- Recognize career opportunities for women in sport and the impact that sport participation can have on society.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

KNES 48

Introduction to Coaching

5.0 Units

This course provides an introduction and continuing education into the theories, techniques, strategies, and qualifications related to sport and athletic coaching. It includes an in-depth analysis of coaching responsibilities and practical applications associated with youth (Little League, Pop Warner, American Youth Soccer Organization, and YMCA), middle school, high school, community college, and four-year university levels of competition and play. The students will study the issues and requirements associated with possible duties and job responsibilities in relation to administrative, medical, legal, and practical experiences.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Evaluate career options in specific levels of amateur and professional sports and athletic coaching.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

KNES 50A
Orientation to Lifetime Fitness

3.0 Units

Introduction to fitness, wellness and lifestyle management. Students will examine current theories of health and fitness with emphasis on how wellness and personal fitness are affected by genetics, gender, and age. Each student will perform pre-assessment and post-assessment tests of their own cardiovascular capacity, muscular strength and endurance, flexibility, and body composition. Lifestyle changes will be emphasized and behavior change tools that promote healthy choices will be discussed. Instruction on proper exercise techniques will be demonstrated.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Formerly Statement
(Formerly P E D070A.)

Corequisite(s)
KNES 9A, D09AX, 9B, D09BX or D50AL

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate improvement of cardiovascular strength and flexibility through total fitness.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Analyze and compare dimensions of wellness as they apply to specific life goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

KNES 50AL
Lifetime Wellness and Fitness Center Laboratory

1.0 Units

A laboratory designed to improve student's cardio-respiratory fitness, muscular strength and endurance, flexibility and body composition. Strength and muscular endurance will be developed using Magnum weight equipment. Cardio-respiratory programs will be run on treadmills, cycles, stair steppers, and elliptical trainers.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Formerly Statement
(Formerly P E D071.)

Prerequisite(s)
HLTH 51, KNES 50A or KNES 53 (all courses may be taken concurrently)

Student Learning Outcomes
- Demonstrate improvement of cardiovascular strength and flexibility through total fitness.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 51A
Fitness and Dietary Wellness

3.0 Units

An examination of the effect of exercise, basal metabolic rate and total daily energy expenditure on weight management. The role of cardiovascular exercise, resistance training, body composition and nutrition on an individual's metabolic rate is assessed. Lifestyle factors and choices, managing stress and motivational strategies for maintaining a healthy body weight is discussed. Students will develop a personal exercise program, assess cardiovascular fitness, muscular strength and endurance, and body composition to improve metabolic rate.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Formerly Statement
(Formerly P E D079.)

Corequisite(s)
KNES 9A, D09AX, 9B, D09BX or D51AL

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Apply knowledge of basic fitness concepts to health and fitness.
- Demonstrate an understanding of healthy weight management through positive daily energy expenditure.
- Develop improvements in diet, exercise, and healthy lifestyle habits for weight management.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

KNES 51AL

Fitness and Dietary Wellness Laboratory

1.0 Units

This is a laboratory course designed for students to utilize exercise as a weight management technique for both weight loss, weight gain, or healthy weight maintenance. Cardio-respiratory fitness and muscular strength and endurance techniques will be emphasized. The exercise programs will focus on improving body composition based on weight management techniques.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Formerly Statement
(Formerly P E D079A.)

Corequisite(s)
KNES 51A

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate improvements in cardiovascular and muscular fitness through exercise.
- Apply knowledge of basic fitness concepts to health and fitness.
- Develop exercise habits to improve body composition through increases in daily energy expenditure.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 52

Physical Stress Management

3.0 Units

An introduction to the discipline of Kinesiology through the natural techniques that effectively relieve stress related physical problems. Each student will develop and implement a personal stress reduction program. Students will be exposed to information on how lifestyle, gender, age, personality and occupation effects stress and the ability to successfully cope with it.

(This course is offered in online and face-to-face environments. Massage Therapy students must take this course in the face-to-face environment. Massage students will not be allowed to repeat this course to obtain a Massage Therapy Program Certificate unless the course was taken more than eight years previously.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Formerly Statement
(Formerly P E D053.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Evaluate what is causing personal stress and then design and implement a stress reduction program.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

KNES 53

Health and Fitness

5.0 Units

This is an introduction to the disciplines of Kinesiology and Health through fitness, wellness, and lifestyle management, covering concepts of wellness from an interdisciplinary and multicultural perspective, as well as practices and beliefs that contribute to fitness and healthful living. Students will explore past and current theories of health and fitness with emphasis on the roles of genetics, gender, and age. Students will assess their own cardiovascular capacity, muscular strength and endurance, flexibility, and body composition, in and out of class.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Formerly Statement
(Formerly P E D051.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate knowledge of basic fitness concepts as it applies to health and wellness.
- Demonstrate knowledge of basic health concepts as they relate to lifestyle choices.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

KNES 54

Introduction to Sport in Society

5.0 Units

A course designed for kinesiology, and physical education majors. It looks at current and past sports related cultural and historical issues. Students will be introduced to various topics such as race and gender issues, sports for different populations, and how sports has shaped the American past time. The various levels of participation will be discussed from elementary school and recreational participation, to professional sports.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Formerly Statement
(Formerly P E D072.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Interpret how religious, gender, ethnic, racial, class, sexual orientation, disability, and/or age identity are shaped by cultural and societal influences in contexts of equality and inequality.
- Summarize historical, social, political, and economic processes producing diversity, equality, and structured inequalities within sport in societies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

KNES 55

Introduction to Exercise Science

5.0 Units

An introduction to the discipline of Kinesiology through introductory concepts of exercise science. The knowledge base that defines exercise physiology is central to the discipline of kinesiology. Students will develop a basic understanding of how the physiological systems involved in physical activity respond to exercise, physical activity, and how these systems adapt to various modes of exercise training and environmental conditions. Basic concepts of physiology, biology, nutrition, and principles of exercise/fitness for students planning on majoring in Physical Education or Kinesiology and/or completing a certificate program in personal training, massage therapy, or coaching.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Formerly Statement
(Formerly P E D085.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Demonstrate an understanding of how the different energy systems of the body and their capacity to provide energy are effected by diet and exercise.
- Apply the basic concepts of exercise physiology as they relate to the body and its ability to move and perform exercise to develop an exercise program.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

KNES 77

Special Projects in Kinesiology

0.5 Units

Individual research in Kinesiology or Massage Therapy. Specific projects determined in consultation with the instructor. Outside reading and written report required. These projects are undertakings that are not in the regular physical education curriculum and require the approval of the division dean.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly P E D077., D077X, and D077Y respectively.)

Course Family
FD - Cardiovascular Fitness

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes

- Demonstrate, via a culmination of the aims and methods specified in sections 3, 4, and 5 of the Special Projects contract, a mastery of the relevant overarching concepts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

KNES 77X

Special Projects in Kinesiology

1.0 Units

Individual research in Kinesiology or Massage Therapy. Specific projects determined in consultation with the instructor. Outside reading and written report required. These projects are undertakings that are not in the regular physical education curriculum and require the approval of the division dean.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly P E D077., D077X, and D077Y respectively.)

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes

- Demonstrate, via a culmination of the aims and methods specified in sections 3, 4, and 5 of the Special Projects contract, a mastery of the relevant overarching concepts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 77Y

Special Projects in Kinesiology

1.5 Units

Individual research in Kinesiology or Massage Therapy. Specific projects determined in consultation with the instructor. Outside reading and written report required. These projects are undertakings that are not in the regular physical education curriculum and require the approval of the division dean.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly P E D077., D077X, and D077Y respectively.)

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Demonstrate, via a culmination of the aims and methods specified in sections 3, 4, and 5 of the Special Projects contract, a mastery of the relevant overarching concepts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

KNES 90

Introduction to Manual Therapy - Sports Medicine

5.0 Units

Designed to provide an introduction to the discipline of Kinesiology and its role in sports medicine-related fields that include manual therapies such as physical therapy, occupational therapy, orthopedic medicine, and athletic training. Critiques of common athletic injuries using the overarching principles of kinesiology and the interplay of physiological, sociological, and psychological factors related to rehabilitation will be included. Physiological, sociological, and psychological factors will be discussed as they relate to lifelong skills working in a sports medicine field. Hands-on practice of manual therapy techniques will be incorporated in the laboratory portion of the class and will prepare students for an internship to work under the guidance of a certified athletic trainer.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
BIOL 40A; CPR and First Aid Certification

Student Learning Outcomes
- Comprehend common athletic injuries and the factors that contribute to them.
- Identify and apply appropriate manual therapy techniques in sports medicine environment.
- Demonstrate an understanding of a variety of physiological, sociological and psychological factors that may affect rehabilitation within a therapeutic environment.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

KNES 90AX

Manual Therapy Internship - Sports Medicine Level 1

1.0 Units

Upon successful completion of KNES D090A and KNES D046., students will assume the role of student manual therapist or athletic training room student assistant under the direct guidance of an athletic trainer or coach. Through hands-on practice and observation, students will be provided a chance to refine their manual therapy skills by working with athletes prior to competition, during a competition, post-competition, or during off-season training.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
KNES 46, KNES 90A, and FHDA LiveScan approval

Advisory(ies)
CPR and First Aid Certification.

Student Learning Outcomes
- Understand the importance of written documentation relative to injury and its treatment plans for an athlete.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 90BX

Manual Therapy Internship - Sports Medicine Level 2

1.0 Units

Upon successful completion of KNES 90AX students shall assume the role of "student manual therapist or athletic training room student assistant" under the supervision of an athletic trainer or coach. Through increased levels of hands-on practice, the student will be provided an opportunity to refine their manual therapy skills by working with athletes prior to competition, during a competition, post-competition, or during off-season training.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
KNES 90AX and FHDA LiveScan approval

Advisory(ies)
CPR and First Aid Certification.

Student Learning Outcomes
- Develop the ability to perform a series of pre-event or post-event manual therapy sessions that includes massage, passive ROM and stretching.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 90CX

Manual Therapy Internship - Sports Medicine Level 3

1.0 Units

Upon successful completion of KNES D90BX, students will assume the role of student manual therapist or athletic training room student assistant under the mentorship, of an athletic trainer or coach. Through increased levels of hands-on practice, students will be provided a chance to refine their manual therapy skills by working with athletes prior to competition, during a competition, post-competition, or during off-season training.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
KNES 90BX and FHDA LiveScan approval

Advisory(ies)
CPR and First Aid Certification.

Student Learning Outcomes
- Apply an appropriate ice pack or heat pack wrap.
- Successfully apply wrist, preventative ankle support or thumb support with athletic tape.
- Create a written exercise protocol for an ankle injury which includes manual therapy techniques and a simple strengthening program.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 91

Introduction to Manual Therapy - Disabilities

5.0 Units

This course provides an introduction to the discipline of kinesiology and its role in the rehabilitation of disabled populations through manual therapies such as physical therapy, occupational therapy, orthopedic medicine and adapted physical education environments. Critiques of common pathological conditions using the overarching principles of kinesiology and the interplay of physiological, sociological, and psychological factors related to rehabilitation will be included. These factors will be discussed as they relate to lifelong skills needed by a therapist working in a field with individuals with physical disabilities. Hands-on practice of manual therapy techniques will be incorporated in the laboratory portion of the class, which will prepare students for an internship to work under the guidance of a certified disability management specialist.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
BIOL 40A

Student Learning Outcomes
- Develop an understanding of common pathological conditions.
- Apply knowledge of the different body systems and a variety of manual therapies related to physical therapy and occupational therapy to safely demonstrate a therapeutic protocol for individuals with disabilities.
- Demonstrate an understanding of a variety of physiological, sociological and psychological factors that may affect individuals with disabilities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

KNES 91AX

Manual Therapy Internship - Disabilities Level 1

1.0 Units

Upon successful completion of KNES 91 students shall assume the role of "student manual therapist or APE student assistant" under the direct guidance of an instructor or full-time staff member. Through hands-on practice and observation, the student will be provided the opportunity to refine their manual therapy skills by working with disabled students in an adapted physical education setting.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
KNES 91 and FHDA LiveScan approval

Advisory(ies)
CPR and First Aid Certification.

Student Learning Outcomes

- Under the guidance of an instructor or staff member manual therapy students will be able to safely implement a prescribed mat program which includes manual therapy techniques such as massage, passive range of motion and/or stretching for a disabled student.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 91BX

Manual Therapy Internship - Disabilities Level 2

1.0 Units

Upon successful completion of KNES D91AX, students will assume the role of student manual therapist or APE student assistant under the supervision of an instructor or full-time staff member. Students will be provided the opportunity to refine their manual therapy skills by working with disabled students, implementing manual therapies on a mat or chair, and assisting them on exercise equipment in an adapted physical education setting.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
KNES 91AX and FHDA LiveScan approval

Advisory(ies)
CPR and First Aid Certification.

Student Learning Outcomes
- Under the supervision of an instructor or staff member manual therapy students will be able to safely implement a prescribed mat program and exercise program. These programs may include manual therapy techniques such as massage, passive range of motion and/or stretching for a disabled student and assisting adapted physical education students as the perform a prescribed exercise protocol on exercise equipment.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KNES 91CX

Manual Therapy Internship - Disabilities Level 3

1.0 Units

Upon successful completion of KNES 91BX students shall assume the role of "student manual therapist or APE student assistant" under the mentorship of an instructor or full-time staff member. Students will implement appropriate manual therapy techniques for a prescribed manual therapy and exercise session. Through hands-on practice, the student will be provided the opportunity to refine their manual therapy skills by working with disabled students in an adapted physical education setting.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
KNES 91BX and FHDA LiveScan approval

Advisory(ies)
CPR and First Aid Certification.

Student Learning Outcomes
- Under the mentorship of an instructor or staff member manual therapy students will be able to initiate and safely implement a mat program and exercise program. This session may include manual therapy techniques such as massage, passive range of motion and/or stretching for a disabled student and a safe exercise program on a exercise machine.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

KORE 1

Elementary Korean (First Quarter)

5.0 Units

Introduction to the historical and cultural background of the Korean language. Intensive reading and writing practice of the Korean alphabet, Hangul. Development of language skills orally and in writing for basic and simple information relating to high-frequency situations in familiar contexts, to further understand grammatical and syntactical structures.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Develop reading the Korean alphabet, Hanguel and demonstrate a working command of essential vocabulary (recognize and reproduce some 180 Korean words and expressions) and language structure necessary to request and provide, orally and in writing, basic /simple information relating to high-freqeuncy situations in familiar contexts, such as greetings, introducing friends, locations, family, making requests, and describing people.
- Derive meaning from short, simple texts on familiar topics, relying on contextual clues to extract the gist and some detail.
- Compose comprehensible, simple phrases or sentences about familiar topics to reflect a working command of core vocabulary and language structures.
- Demonstrate a cursory grasp of social protocols and contributions of Korean-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

KORE 2
Elementary Korean (Second Quarter)

5.0 Units

Further development of materials presented in KORE 1. Intensive oral practice broadening the language functions covered in KORE 1 and adding new ones. Greater emphasis on student generated discussion. More emphasis on cultural and historical background in the use of language. Written practice to further understanding of the underlying grammatical and syntactical structures for an extended range of basic/simple information relating to high-frequency situations.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
KORE 1 (equivalent to one year of high school Korean) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Demonstrate a greater working command of essential vocabulary (recognize and reproduce a total of 250 Korean words and expressions) and language structures necessary to request and provide, orally and in writing, an increasing range of basic/simple information relating to high-frequency situations in familiar contexts such as time, dates/days/schedules, daily activities, weekend plans, counting, weather, directions, saying good-bye, coming and going, giving and receiving, and like/dislikes.
- Derive meaning from short, simple texts on familiar topics, relying on contextual clues to extract the gist and an increasing amount of detail.
- Compose comprehensible, simple sentences about familiar topics to reflect a greater working command of core vocabulary and language structures.
- Demonstrate a deeper grasp of social protocols and contributions of Korean-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

KORE 2H
Elementary Korean (Second Quarter) - HONORS

5.0 Units

Further development of materials presented in KORE 1. Intensive oral practice broadening the language functions covered in KORE 1 and adding new ones. Greater emphasis on student generated discussion. More emphasis on cultural and historical background in the use of language. Written practice to further understanding of the underlying grammatical and syntactical structures for an extended range of basic/simple information relating to high-frequency situations. As an honors course the students will be expected to complete extra assignments to gain deeper insight in the Korean language and culture.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability

Transferable to both UC and CSU

Prerequisite(s)
KORE 1 (equivalent to one year of high school Korean) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Develop reading the Korean alphabet, Hanguel and demonstrate a working command of essential vocabulary (recognize and reproduce some 180 Korean words and expressions) and language structure necessary to request and provide, orally and in writing, basic /simple information relating to high-freqeuncy situations in familiar contexts, such as greetings, introducing friends, locations, family, making requests, and describing people.
- Derive meaning from short, simple texts on familiar topics, relying on contextual clues to extract the gist and some detail.
- Compose comprehensible, simple phrases or sentences about familiar topics to reflect a working command of core vocabulary and language structures.
- Demonstrate a cursory grasp of social protocols and contributions of Korean-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

KORE 3
Elementary Korean (Third Quarter)

5.0 Units

Further development of materials presented in KORE 1 and KORE 2 (or KORE 2H). High beginning level language skills for oral and written communication in targeted language functions, with focus on greater structural accuracy and communicative competence for a more complex/abstract range of information relating to high frequency situations. Better understanding of the Korean culture through text and out-of-text authentic materials.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
KORE 2 or KORE 2H (equivalent to two years of high school Korean) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Demonstrate a somewhat consistent working command of essential vocabulary (recognize and reproduce at least 350 Korean words and expressions) and language structures necessary to request and provide, orally and in writing, a more complex/abstract range of information relating to high frequency situations in familiar contexts such as making an apology and giving reasons, asking for an opinion, extending/accepting/declining invitations, expressing reservations, asking about prices, and ordering food/describing tastes.
- Derive meaning from longer, simple texts on familiar topics, relying on contextual clues to extract main ideas and supporting details.
- Compose comprehensible, more complex sentences about familiar topics to reflect a somewhat consistent command of core vocabulary and language structures.
- Demonstrate an increasingly accurate grasp of social protocols and contributions of Korean-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

KORE 3H

Elementary Korean (Third Quarter) - HONORS

5.0 Units

Further development of materials presented in KORE 1 and KORE 2 (or KORE 2H). High beginning level language skills for oral and written communication in targeted language functions, with focus on greater structural accuracy and communicative competence for a more complex/abstract range of information relating to high frequency situations. Better understanding of the Korean culture through text and out-of-text authentic materials. As an honors course, the students will be expected to complete extra assignments to gain deeper insight in the Korean language and culture.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
KORE 2 or KORE 2H (equivalent to two years of high school Korean) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Demonstrate a somewhat consistent working command of essential vocabulary (recognize and reproduce at least 350 Korean words and expressions) and language structures necessary to request and provide, orally and in writing, a more complex/abstract range of information relating to high frequency situations in familiar contexts such as making an apology and giving reasons, asking for an opinion, extending/accepting/declining invitations, expressing reservations, asking about prices, and ordering food/describing tastes.
- Derive meaning from longer, simple texts on familiar topics, relying on contextual clues to extract main ideas and supporting details.
- Compose comprehensible, more complex sentences about familiar topics to reflect a somewhat consistent command of core vocabulary and language structures.
- Demonstrate an increasingly accurate grasp of social protocols and contributions of Korean-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

L S 50

Student Success Strategies

4.0 Units

This course explores optimal learning strategies and accommodative techniques for students with special learning needs. Students will evaluate and apply successful learning tools in areas such as time management, goal setting, memory, processing information, test-taking strategies, and learning styles.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly GUID D202.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Formulate an individualized study strategy which include accommodations and advocacy for their specific disability.
- Demonstrate study techniques by utilizing individualized study strategies and apply it in other course(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

L S 207

Introductory Writing and Grammar Skills

4.0 Units

This is a basic writing and editing skills course for students with specialized learning needs preparing for college-level writing activities. Students will engage in diverse writing formats including structured paragraphs on a variety of topics using compensatory written learning strategies. Students will also practice parts of speech, capitalization, punctuation, sentence structure, and paragraph development.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly GUID D207.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Compose an appropriately structured paragraph.
- Demonstrate standard grammar and punctuation in their written work.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours | Course Out-of-Class Hours

Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

L S 209

Arithmetic Skills and Strategies

4.0 Units

This course is designed to improve skills in mathematics by addressing areas of difficulty common to students with disabilities in mathematics.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly GUID D209.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Demonstrate skills in basic arithmetic and be able to calculate using fractions, decimals numbers, and percents.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

L S 211

Algebra Skills

4.0 Units

This is a transitional course for students with special learning needs. It is designed to improve skills in mathematics by addressing areas of difficulty common to students with disabilities in mathematics. The course also includes alternative learning strategies for mastering algebraic concepts.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly GUID D211.)

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Utilize the applications of the real number system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours

Course Out-of-Class Hours

Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

LART 79

Reading, Writing and Researching Social Justice Issues

1.0 Units

In-depth writing and research on issues of social justice.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
SOC 20

Student Learning Outcomes
- Examine sociological text to gain critical analysis of historical and cultural differences and influences of social justice issues.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

LART 250

Academic Reading and Writing

3.0 Units

Integration of reading and writing skills necessary for success in EWRT 1A or EWRT 1AH. Emphasis on evaluation, analysis, synthesis, questioning, and critical inquiry of assigned readings and in essays in this course and in the target course, EWRT 1A or EWRT 1AH. Immersion in the reading and writing process with opportunities for just-in-time instruction on strategies and skills to succeed in transfer-level curriculum.

Course Information

Transferability
Not transferable

Prerequisite(s)
A qualifying placement result.

Corequisite(s)
EWRT 1A or EWRT 1AH

Student Learning Outcomes
- Demonstrate the reading and writing process and metacognitive awareness in a combined reading and writing portfolio of their strongest work.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours

Course Out-of-Class Hours

Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

LIB 1

Library Research Skills

1.0 Units

Introduces skills needed to locate, evaluate, and cite information. Focuses on the resources of academic libraries including online catalogs, periodical indexes, and instructional web sites. Prepares students to do the basic research necessary to effectively complete written and oral assignments.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Evaluate several databases and select the appropriate one to find needed information.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

LIB 51

Business Resources on the Internet

1.0 Units

Locate, examine and evaluate business-related information available on the Internet.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Locate and appraise unbiased information about companies and industries.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

LIB 53

Advanced Internet Searching

1.0 Units

This course is designed to instruct students how to locate, identify, and critically evaluate information sources on the Internet that are not easily accessible.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Find and evaluate authoritative Internet sites that provide reliable source material.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

LING 1

Introduction to Linguistics

4.0 Units

The science of language; an introduction to the study of how language works, such as the basics of linguistic description, including systems of phonetics and phonology, semantics, pragmatics, morphology and syntax. Course may also include the development of spoken and written languages, how people learn language, how language changes, the history of English, American Sign Language, and the study of general linguistic principles as they apply across languages.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Comprehend and analyze the descriptive systems of phonetics, phonology, morphology, syntax, and semantics.
- Analyze language universals contrasted by variations in social class, gender, age, ethnicity, geographic area, and idiosyntactic usage.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

LRNA 77

Special Projects in Learning Assistance

1.0 Units

Special reading, writing, or study projects in Learning Assistance as determined in consultation with the instructor. Student must concurrently work as a tutor (for pay or volunteer) at the De Anza College Student Success Center, or similar organization, as determined by the instructor.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Student must concurrently work as a tutor (for pay or volunteer at the De Anza College Student Success Center or similar organization, as determined by the instructor

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes

- Demonstrate, via a culmination of the aims and methods specified in sections 3, 4, and 5 of the Special Projects contract, a mastery of the relevant overarching concepts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

LRNA 96

Introduction to Individual and Group Peer Tutoring

2.0 Units

Introduction to the principles and practices of individual and group tutoring. Development of effective communication and leadership skills to facilitate collaborative, dynamic and productive learning.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Must be selected to work as a De Anza tutor.

Student Learning Outcomes

- Plan and conduct tutoring sessions using student-centered communication strategies.
- Apply appropriate tutoring strategies for helping students at various levels.
- Adapt communication and tutoring practices to students from diverse backgrounds and with diverse learning styles.
- Student tutors will be able to demonstrate professional and ethical behavior when tutoring.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

LRNA 97

Introduction to Peer Tutoring in Writing and Reading

3.0 Units

Required training for De Anza writing and reading tutors. Introduction to the theory and practice of tutoring writing and reading, including strategies and approaches to help students from diverse linguistic backgrounds with different levels of college reading and writing skills. Students read about, observe, discuss, write about and practice the craft of tutoring writing and reading. After an initial orientation, students in the class begin tutoring and reflect on their tutoring experiences as part of the class.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Must be selected to work as a De Anza tutor.

Student Learning Outcomes

- Plan and conduct tutoring sessions using student-centered communication strategies.
- Apply appropriate tutoring strategies for helping students at various levels.
- Adapt communication and tutoring practices to students from diverse backgrounds and with diverse learning styles.
- After completing this course, and in the context of tutoring at a designated De Anza center, student tutors will be able to: Demonstrate professional and ethical behavior when tutoring.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

LRNA 98

Tutor Training for Math/Science Tutors

1.0 Units

Required training course for De Anza math/science tutors during their first quarter of tutoring. Strategies and communication skills to help peer tutors conduct productive, effective, and fun tutoring sessions. Experience reflecting on instructional and learning theory and practicing theory-based tutoring techniques. Strategies for working with students from diverse backgrounds and with various learning styles. Self-reflection and peer feedback on actual tutoring sessions.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Must be selected to work as a De Anza tutor.

Student Learning Outcomes

- After completing this course, and in the context of tutoring at a designated De Anza center, student tutors will be able to conduct effective tutoring sessions using student-centered communication strategies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

MAND 1
Elementary Mandarin (First Quarter)

5.0 Units

Introduction to the language and cultures of Mandarin-speaking countries and communities. Basic speaking, listening, reading, and writing of Mandarin will be introduced and practiced within a cultural framework. Mandarin will be the primary language of instruction. Emphasis will be on language as an expression of culture and a medium of communication.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Develop the native sense of four tone usage of Mandarin pronunciation and demonstrate a working command of essential vocabulary (recognize and reproduce some 150 Chinese characters) and language structures necessary to request and provide, orally and in writing, basic/simple information relating to high-frequency situations in familiar contexts, such as greetings, family, dates/time and hobbies.
- Derive meaning from short, simple texts on familiar topics, relying on contextual clues to extract the gist and some detail.
- Compose comprehensible, simple phrases or sentences about familiar topics to reflect a working command of core vocabulary and language structures.
- Demonstrate a cursory grasp of social protocols and contributions of Mandarin-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MAND 2
Elementary Mandarin (Second Quarter)

5.0 Units

Further development of material presented in MAND 1. Continuation of introduction to the language and cultures of Mandarin-speaking countries and communities. Speaking, listening, reading, and writing of Mandarin will be continued and practiced within a cultural framework. Mandarin will be the primary language of instruction. Emphasis will be on language as an expression of culture and a medium of communication.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MAND 1 (equivalent to one year of high school Mandarin) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate a greater working command of essential vocabulary (recognize and reproduce a total of 300 Chinese characters) and language structures necessary to request and provide, orally and in writing, an increasing range of basic/simple information relating to high-frequency situations in familiar contexts such as visiting friends, making appointments, studying Chinese, preparing for a class, school life, shopping and transportation.
- Derive meaning from short, simple texts on familiar topics, relying on contextual clues to extract the gist and an increasing amount of detail.
- Compose comprehensible, simple sentences about familiar topics to reflect a greater working command of core vocabulary and language structures.
- Demonstrate a deeper grasp of social protocols and contributions of Mandarin-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MAND 3
Elementary Mandarin (Third Quarter)

5.0 Units

Further development of material presented in MAND 1 and MAND 2. Completion of introduction to the language and cultures of Mandarin-speaking countries and communities. Basic speaking, listening, reading, and writing of Mandarin will be further introduced and practiced within a cultural framework. Mandarin will be the primary language of instruction. Emphasis will be on language as an expression of culture and a medium of communication.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MAND 2 (equivalent to two years of high school Mandarin) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate a somewhat consistent working command of essential vocabulary (recognize and reproduce at least 450 Chinese characters) and language structures necessary to request and provide, orally and in writing, a more complex/abstract range of information relating to high-frequency situations in familiar contexts such as talking about weather, dining, asking directions, birthday party and seeing a doctor.
- Derive meaning from longer, simple texts on familiar topics, relying on contextual clues to extract main ideas and supporting details.
- Compose comprehensible, more complex sentences about familiar topics to reflect a somewhat consistent working command of core vocabulary and language structures.
- Demonstrate an increasingly accurate grasp of social protocols and contributions of Mandarin-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MAND 4

Intermediate Mandarin (First Quarter)

5.0 Units

Students will read and discuss texts dealing with the geography, history, social and cultural practices of the Chinese-speaking world. The course will review the linguistic functions and grammatical structures of first-year Chinese. Speaking, listening, reading, and writing of the first-quarter low intermediate level of Mandarin will be introduced and practiced within a cultural framework.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MAND 3 (equivalent to three years of high school Mandarin) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate an increasingly consistent command of essential vocabulary (recognize and reproduce at least 600 Chinese characters) and language structures necessary to request and provide, orally and in writing, an expanding range of somewhat sophisticated information such as dating, renting an apartment, sports, travel and at the airport.
- Derive meaning from longer texts of increasing complexity, [relying less on contextual clues] to extract main ideas and supporting details, and to interpret some subtleties of the text.
- Compose comprehensible, paragraph-level discourse about familiar topics to reflect an increasingly consistent command of vocabulary and language structures.
- Demonstrate an increasingly accurate grasp of the subtleties in the idiosyncracies of Mandarin-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MAND 5

Intermediate Mandarin (Second Quarter)

5.0 Units

This is a continuation of MAND 4. Students will read and discuss texts dealing with the geography, history, literature, social and cultural practices of the Chinese-speaking world. The course will review the linguistic functions and grammatical structures of intermediary Chinese. Speaking, listening, reading, and writing of second-quarter intermediate level of Mandarin will be introduced and practiced within a cultural framework.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MAND 4 (equivalent to four years of high school Mandarin) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate a somewhat sustained command of vocabulary (recognize and reproduce at least 1500 Chinese words) and language structures necessary to spontaneously request and provide, orally and in writing, a greater range of more sophisticated information such as dorm life, weekend plans, choosing a field of study, apartment hunting, dating, television/the movies and going to the post office.
- Derive meaning from texts of greater sophistication, to interpret an expanding range of subtleties of the structure and content of the text.
- Compose extended, paragraph-level discourse about familiar topics to reflect a somewhat sustained command of vocabulary and language structures.
- Demonstrate a noticeably accurate grasp of the subtleties in the idiosyncrasies of Mandarin-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MAND 6

Intermediate Mandarin (Third Quarter)

5.0 Units

This is a continuation of MAND 5. Students will read, discuss and analyze texts dealing with the arts, geography, history, literature, social and cultural practices of the Chinese-speaking world. The course will review the linguistic functions and grammatical structures of intermediary Chinese. Speaking, listening, reading, and writing of third-quarter high intermediate level of Mandarin will be introduced and practiced within a cultural framework.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MAND 5 or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate a sustained command of vocabulary (recognize and reproduce at least 2000 Chinese words) and language structures necessary to spontaneously and accurately request and provide information, orally and in writing, about a wide variety of topics such as the Chinese Traditional. Holidays, sports, family issues, gender equality, medical care, educational systems and environmental issues.
- Derive meaning from increasingly abstract texts, to interpret a wide range of subtleties of the structure and content of the text.
- Compose lengthier and more accurate discourse about familiar topics to reflect a sustained command of vocabulary and language structures.
- Demonstrate a steady grasp of the subtleties in the idiosyncrasies of Mandarin-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MAND 51

Introduction to Translation and Interpreting

4.5 Units

This course will cover the historical origins, theories, techniques, and practices of translating and interpreting. Students will focus on comprehension of source language texts and accurate expression of content and style in translations. Theoretical readings will be used to familiarize students with strategies, techniques, and challenges faced in the translation process.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Differentiate between interpretation and translation and the basic skills needed for translation and interpretation.
- Discuss the preparation and organizational methods in translation and interpretation.
- Describe the procedures, resources, and techniques related to translation and interpretation.
- Describe the work of translators and interpreters including the skills involved in being well trained.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

MAND 52

Mandarin Grammar and Composition

4.5 Units

This course will develop students' reading and writing skills through the process of composition in Mandarin. It will also improve students' writing skills by applying the rules of grammar and orthography reviewed in class.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Annotate Mandarin grammar and apply it to the written communication process correctly.
- Apply reading strategies to enhance critical thinking through literary discussions in Mandarin.
- Assume different roles as a writer in Mandarin.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

MAND 53

Mandarin/English Linguistics Analysis

4.5 Units

This course will provide the student with an analysis and description of some of the most relevant aspects of Mandarin/English grammar, emphasizing the implications of translation and interpreting.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Compare and contrast phonology of English and Mandarin.
- Identify the syntactic differences and similarities between Mandarin and English.
- Develop awareness for lexical entries between Mandarin and English.
- Analyze the reasoning behind the use of the tenses, moods and lexicon choice in a translation.
- Demonstrate appropriate grammar terminology between Mandarin and English.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

MAND 54

Sight Translation

4.5 Units

This course will introduce students to the fundamental skill of sight translation. Students will learn how to comply with the legal equivalence requirements of this mode of interpretation. There will be an emphasis on reviewing the necessary reading comprehension skills, acquiring the ability to analyze text upon first reading, acquiring vocabulary research skills, expanding vocabulary and understanding the role of the interpreter. Students will practice paraphrasing, chunking, prediction, and expanding and condensing exercises to finally develop the skills necessary for performing sight translation of complex texts.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)

EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Recognize the appropriate use of sight translation in various settings.
- Identify common pitfalls encountered during the sight translation task.
- Apply structured research techniques for finding target language equivalents.
- Demonstrate the skills necessary to have situational control to enable them to perform the sight translation task at hand.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

MAND 55A

Consecutive Interpretation I

4.5 Units

This course will introduce students to consecutive legal interpretation. Students will learn how to comply with the legal equivalence requirements of consecutive interpretation. They will also be introduced to the proper usage of this mode of interpretation in various settings. There will be a focus on memory building skills as well as notetaking techniques. Students will begin to develop their own notetaking systems and symbols. Through guided exercises, students will continue to build vocabulary and learn how to deal with various factors encountered when using the consecutive mode of interpretation.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Prerequisite(s)
MAND 54 or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Define retention using different techniques.
- Request a pre-appearance interview for proper preparation before an interpretation.
- Distinguish between the different types of speech used by speakers and know the implications for the interpreter.
- Develop a personal note-taking system.
- Manage impediments to their performance such as rate of speech, long utterances, unfamiliar terminology and poor acoustics.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

MAND 55B

Consecutive Interpretation II

4.5 Units

This course builds on the skills acquired in Consecutive Interpretation I. Students will continue to enhance retention while developing personal Notetaking systems in more demanding situations with lengthier messages. There will be an emphasis on complying with the legal equivalent requirement and limiting omissions. Students will learn how to deal with challenges to interpretation and make corrections on the record. Students will acquire terminology related to complex criminal proceedings, administrative hearings, and varied medical settings.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Prerequisite(s)
MAND 55A or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Recognize and manage various constraints on witness examination.
- Analyze challenges to their interpretation and make corrections when necessary.
- Apply the appropriate procedures for dealing with challenges to interpretation made by attorneys and jurors.
- Recognize complex vocabulary utilized at various proceedings and medical settings and provide target language equivalents.
- Distinguish between varying interpreter obligations in the legal and medical setting.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

MAND 56A

Simultaneous Interpretation I

4.5 Units

This course will introduce students to simultaneous legal interpretation. Students will learn how to comply with the legal equivalence requirements of simultaneous interpretation. There will be an emphasis on reviewing; the history of simultaneous interpretation, the role of the interpreter, relevant settings and research skills. Students will practice paraphrasing, chunking and shadowing exercises to increase vocabulary and create a strong foundation to begin acquiring simultaneous interpreting skills up to 125 words per minute.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Prerequisite(s)
MAND 54A or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Perform dual tasking exercises as they have developed the skills necessary to enable them to listen, analyze and speak simultaneously.
- Demonstrate progression of their decalage to enable the further development of interpreting skills.
- Interpret vocabulary related to arraignments, constitutional rights, motions, preliminary hearings, jury instructions, juvenile proceedings and workers' compensation matters.
- Manage impediments to their performance.
- Interpret basic proceedings up to 125 wpm.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

MAND 56B
Simultaneous Interpretation II

4.5 Units

This course will continue to build students' simultaneous interpretation skills. Students will begin to interpret more complex legal proceedings at faster speeds. Students will be introduced to the testimony of expert witnesses, legal motions, jury instructions, and other complex materials. Students will also acquire the skills necessary to build glossaries for complex proceedings and in the process expand vocabulary to include terminology related to drugs, violence, medical, weapons, DNA and other specialized topics. At the conclusion of the course, students will be able to interpret proceedings at speeds of 145+ wpm. This course will help students to review and practice Certification Exams.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Prerequisite(s)
MAND 56A or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Listen attentively to discourse while performing the simultaneous interpreting task.
- Render interpretations of numbers and names using different techniques.
- Demonstrate complex interpreting assignments involving specialized vocabulary.
- Interpret vocabulary related to the following: drug cases, jury instructions, ballistics, forensic pathology, serology, violence, opening and closing arguments.
- Interpret complex proceedings up to 145+ wpm.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	54.0	**Lecture**	108.0
Laboratory	0.0	**Laboratory**	0.0
Total	54.0	**Total**	108.0

MATH 1A
Calculus

5.0 Units

This course covers the fundamentals of differential calculus.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 32, D032H, D043. or D043H (with a grade of C or better), or appropriate score on Calculus Placement Test within the past calendar year

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Analyze and synthesize the concepts of limits, continuity, and differentiation from a graphical, numerical, analytical and verbal approach, using correct notation and mathematical precision.
- Evaluate the behavior of graphs in the context of limits, continuity and differentiability.
- Recognize, diagnose, and decide on the appropriate method for solving applied real world problems in optimization, related rates and numerical approximation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 1AH
Calculus - HONORS

5.0 Units

This course covers the fundamentals of differential calculus. Because it is an honors course, students will be expected to complete extra assignments to gain deeper insight into calculus.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 32, D032H, D043. or D043H (with a grade of C or better), or appropriate score on Calculus Placement Test within the past calendar year

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Analyze and synthesize the concepts of limits, continuity, and differentiation from a graphical, numerical, analytical and verbal approach, using correct notation and mathematical precision.
- Evaluate the behavior of graphs in the context of limits, continuity and differentiability.
- Recognize, diagnose, and decide on the appropriate method for solving applied real world problems in optimization, related rates and numerical approximation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 1B
Calculus

5.0 Units

This course examines the fundamentals of integral calculus.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 1A or MATH 1AH

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Analyze the definite integral from a graphical, numerical, analytical, and verbal approach, using correct notation and mathematical precision.
- Formulate and use the Fundamental Theorem of Calculus.
- Apply the definite integral in solving problems in analytical geometry and the sciences.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 1BH
Calculus - HONORS

5.0 Units

This course examines the fundamentals of integral calculus. Because it is an honors course students will be expected to complete extra assignments to gain deeper insight into calculus.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 1A or MATH 1AH

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Analyze the definite integral from a graphical, numerical, analytical, and verbal approach, using correct notation and mathematical precision.
- Formulate and use the Fundamental Theorem of Calculus.
- Apply the definite integral in solving problems in analytical geometry and the sciences.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 1C
Calculus

5.0 Units

Students in this course will learn about infinite series, lines, and planes in three dimensions, vectors in two and three dimensions, parametric equations of curves, derivatives, and integrals of vector functions.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 1B or MATH 1BH (with a grade of C or better) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Analyze infinite sequences and series from the perspective of convergence, using correct notation and mathematical precision.
- Apply infinite sequences and series in approximating functions.
- Synthesize and apply vectors, polar coordinate system and parametric representations in solving problems in analytic geometry, including motion in space.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 1CH
Calculus - HONORS

5.0 Units

Students in this course will learn about infinite series, lines, and planes in three dimensions, vectors in two and three dimensions, parametric equations of curves, derivatives, and integrals of vector functions. Because it is an honors course the students will be expected to complete extra assignments to gain deeper insight into calculus.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 1B or MATH 1BH (with a grade of C or better) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Analyze infinite sequences and series from the perspective of convergence, using correct notation and mathematical precision.
- Apply infinite sequences and series in approximating functions.
- Synthesize and apply vectors, polar coordinate system and parametric representations in solving problems in analytic geometry, including motion in space.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 1D
Calculus

5.0 Units

Topics in this course include partial derivatives, multiple integrals, vector calculus, and their applications.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 1C or MATH 1CH (with a grade of C or better) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Apply analytic, graphical and numerical methods to study multivariable and vector-valued functions and their derivatives, using correct notation and mathematical precision.
- Use double, triple and line integrals in applications, including Green's Theorem, Stokes' Theorem and Divergence Theorem.
- Synthesize the key concepts of differential, integral and multivariate calculus.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 1DH
Calculus - HONORS

5.0 Units

Topics in this course include partial derivatives, multiple integrals, and vector calculus. Because it is an honors course, students will be expected to complete extra assignments to gain deeper insight into calculus.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 1C or MATH 1CH (with a grade of C or better) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Apply analytic, graphical and numerical methods to study multivariable and vector-valued functions and their derivatives, using correct notation and mathematical precision.
- Use double, triple and line integrals in applications, including Green's Theorem, Stokes' Theorem and Divergence Theorem.
- Synthesize the key concepts of differential, integral and multivariate calculus.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 2A
Differential Equations

5.0 Units

Topics in the course include methods of solving ordinary differential equations and selected applications.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 1D or MATH 1DH (with a grade of C or better)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Construct and evaluate differential equation models to solve application problems.
- Classify, solve and analyze differential equation problems by applying appropriate techniques and theory.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 2AH

Differential Equations - HONORS

5.0 Units

Topics in the course include methods of solving ordinary differential equations and selected applications. In addition, the students will be expected to extend some topics, complete extra assignments, in order to gain deeper insight and understanding of course content.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 1D or MATH 1DH (with a grade of C or better)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Construct and evaluate differential equation models to solve application problems.
- Classify, solve and analyze differential equation problems by applying appropriate techniques and theory.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 2B

Linear Algebra

5.0 Units

Linear algebra and selected topics of mathematical analysis.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 1D or MATH 1DH (with a grade of C or better)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Construct and evaluate linear systems/models to solve application problems.
- Solve problems by deciding upon and applying appropriate algorithms/concepts from linear algebra.
- Apply theoretical principles of linear algebra to define properties of linear transformations, matrices and vector spaces.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 2BH

Linear Algebra - HONORS

5.0 Units

Linear algebra and selected topics of mathematical analysis. As an honors course the students will be expected to complete extra assignments to gain deeper insight into linear algebra.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 1D or MATH 1DH (with a grade of C or better)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Construct and evaluate linear systems/models to solve application problems.
- Solve problems by deciding upon and applying appropriate algorithms/concepts from linear algebra.
- Apply theoretical principles of linear algebra to define properties of linear transformations, matrices and vector spaces.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 10
Introductory Statistics

5.0 Units

This course is an introduction to data analysis making use of graphical and numerical techniques to study patterns and departures from patterns. The student studies randomness with an emphasis on understanding variation, collects information in the face of uncertainty, checks distributional assumptions, tests hypotheses, uses probability as a tool for anticipating what the distribution of data may look like under a set of assumptions, and uses appropriate statistical models to draw conclusions from data. The course introduces the student to applications in engineering, business, economics, medicine, education, social sciences, psychology, the sciences, and those pertaining to issues of contemporary interest. The use of technology (computers or graphing calculators) will be required in certain applications. Where appropriate, the contributions to the development of statistics by men and women from diverse cultures will be introduced. This Statistics course is a required lower-division course for students majoring or minoring in many disciplines such as data science, nursing, business, and others.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Organize, analyze, and utilize appropriate methods to draw conclusions based on sample data by constructing and/or evaluating tables, graphs, and numerical measures of characteristics of data.
- Identify, evaluate, interpret and describe data distributions through the study of sampling distributions and probability theory.
- Collect data, interpret, compose and evaluate conjectures, and communicate the results of random data using statistical analyses such as interval and point estimates, hypothesis tests, and regression analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 10H
Introductory Statistics - HONORS

5.0 Units

This course is an introduction to data analysis making use of graphical and numerical techniques to study patterns and departures from patterns. The student studies randomness with an emphasis on understanding variation, collects information in the face of uncertainty, checks distributional assumptions, tests hypotheses, uses probability as a tool for anticipating what the distribution of data may look like under a set of assumptions, and uses appropriate statistical models to draw conclusions from data. The course introduces the student to applications in engineering, business, economics, medicine, education, social sciences, psychology, the sciences, and those pertaining to issues of contemporary interest. The use of technology (computers or graphing calculators) will be required in certain applications. Where appropriate, the contributions to the development of statistics by men and women from diverse cultures will be introduced. MATH 10 and therefore Math 10H is a required lower-division course for students majoring or minoring in many disciplines such as data science, nursing, business, and others. Because this is an honors course, the students will be expected to complete extra assignments to gain deeper insight into probability and statistics.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Organize, analyze, and utilize appropriate methods to draw conclusions based on sample data by constructing and/or evaluating tables, graphs, and numerical measures of characteristics of data.
- Identify, evaluate, interpret and describe data distributions through the study of sampling distributions and probability theory.
- Collect data, interpret, compose and defend conjectures, and communicate the results of random data using statistical analyses such as interval and point estimates, hypothesis tests, and regression analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 11
Finite Mathematics

5.0 Units

Application of linear equations, sets, matrices, linear programming, mathematics of finance and probability to real-life problems. Emphasis on the understanding of the modeling process, and how mathematics is used in real-world applications.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Identify, evaluate, and utilize appropriate linear, probability, and optimization models and communicate results.
- Compare, evaluate, judge, make informed decisions, and communicate results about various financial opportunities by applying the mathematical concepts and principles of the time value of money.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)

12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 11H

Finite Mathematics - HONORS

5.0 Units

Application of linear equations, sets, matrices, linear programming, mathematics of finance and probability to real-life problems. Emphasis on the understanding of the modeling process, and how mathematics is used in real-world applications. Because this is an honors course the students will be expected to complete extra assignments to gain deeper insight in Finite Mathematics.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Identify, evaluate, and utilize appropriate linear, probability, and optimization models and communicate results.
- Compare, evaluate, judge, make informed decisions, and communicate results about various financial opportunities by applying the mathematical concepts and principles of the time value of money.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 12

Introductory Calculus for Business and Social Science

5.0 Units

This is an introduction to limits, differentiation, and integration of single and multivariate functions, with applications in business, economics, and social sciences.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 31, D031H, D031B, D041. or D041H

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Use correct notation and mathematical precision in the evaluation and interpretation of derivatives and integrals.
- Evaluate, solve, interpret and communicate business and social science applications using appropriate differentiation and integration methodologies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 17

Integrated Statistics 2

5.0 Units

This is the second quarter of two in the Statway sequence comprised of MATH 217 and MATH 17. This sequence covers concepts and methods of statistics with an emphasis on data analysis. Sequence topics include methods for collecting data, graphical and numerical descriptive statistics, correlation, simple linear regression, basic concepts of probability, probability distributions, confidence intervals, hypothesis tests for means and proportions, chi-square tests, and ANOVA. The course introduces students to applications in engineering, business, economics, medicine, education, the sciences, and those pertaining to issues of contemporary interest. Where appropriate, the contributions to the development of statistics by men and women from diverse cultures will be introduced. This sequence is recommended for students with majors that require no mathematics beyond freshman-level statistics. It is not appropriate for students with majors in math, science, computer science or business, nor for students desiring to attend private universities.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly MATH D057.)

Prerequisite(s)
MATH 217

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Identify, evaluate, interpret and describe data distributions through the study of sampling distributions.
- Collect data, interpret, compose and defend conjectures, and communicate the results of random data using statistical analyses such as interval and point estimates, hypothesis tests, and regression analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 22

Discrete Mathematics

5.0 Units

This course explores elements of discrete mathematics with applications to computer science. Topics include methods of proof, mathematical induction, logic, sets, relations, graphs, combinatorics, and Boolean algebra.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 32 or MATH 32H (with a grade of C or better) or equivalent, and CIS 22A or CIS 35A (with a grade of C or better) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Critique a mathematical statement for its truth value, defend choice by formulating a mathematical proof or constructing a counterexample.
- Analyze and apply patterns of discrete mathematical structures to demonstrate mathematical thinking.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 22H

Discrete Mathematics - HONORS

5.0 Units

This course explores elements of discrete mathematics with applications to computer science. Topics include methods of proof, mathematical induction, logic, sets, relations, graphs, combinatorics, and Boolean algebra. Because this is an honors course, students will be expected to complete extra assignments to gain deeper insight into discrete mathematics.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 32 or MATH 32H (with a grade of C or better) or equivalent, and CIS 22A or CIS 35A (with a grade of C or better) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Critique a mathematical statement for its truth value, defend choice by formulating a mathematical proof or constructing a counterexample.
- Analyze and apply patterns of discrete mathematical structures to demonstrate mathematical thinking.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 23

Engineering Statistics

5.0 Units

This course provides a comprehensive introduction to probabilistic and statistical modeling for students in engineering, economics, finance and related disciplines in the mathematical sciences. It exposes students to a variety of applications requiring decision making in the face of uncertainty. Topics covered include the collection and analysis of information, making use of graphical and numerical techniques, discrete, continuous, cumulative, and joint probability distribution functions and use of statistical inference, experimental design, and equation fitting, when appropriate. Many of the applications require the use of technology (computers and graphic calculators). Computer simulations are used to illustrate difficult topics and provide visualization of advanced theoretical results (e.g. the Central Limit Theorem).

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 1C or MATH 1CH (with a grade of C or better)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Organize, analyze, and utilize appropriate methods to draw conclusions based on sample data by constructing and/or evaluating tables, graphs, and numerical measures of characteristics of data.
- Use calculus based mathematics to construct, analyze, apply, and simulate probability and sampling distributions in theory and applications, and to justify appropriate statistical analyses and inferential methods.
- Collect data, interpret, compose and defend conjectures, and communicate the results of random data using statistical analyses such as interval and point estimates, hypothesis tests, and regression analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 31

Precalculus I

5.0 Units

This course covers polynomial, rational, exponential, and logarithmic functions, graphs, solving equations, conic sections, systems of equations and inequalities.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Investigate, evaluate, and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations.
- Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 31A
Precalculus I (Part 1)

2.5 Units

This course covers linear, quadratic, power, absolute value, piecewise functions, graphs, solving equations and inequalities, solving systems of equations and inequalities.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent

Corequisite(s)
MATH 231A

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Investigate, evaluate and differentiate between algebraic functions in their graphic, formulaic, and tabular representations.
- Synthesize, model, and communicate real-life applications and phenomena using algebraic functions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	30.0	**Lecture**	60.0
Laboratory	0.0	**Laboratory**	0.0
Total	30.0	**Total**	60.0

MATH 31B
Precalculus I (Part 2)

2.5 Units

Polynomial, rational, exponential, and logarithmic functions, graphs, solving equations, conic sections.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 31A (with a grade of C or better)

Corequisite(s)
MATH 231B

Student Learning Outcomes
- Investigate, evaluate, and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations.
- Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	30.0	**Lecture**	60.0
Laboratory	0.0	**Laboratory**	0.0
Total	30.0	**Total**	60.0

MATH 31H
Precalculus I - HONORS

5.0 Units

This course covers polynomial, rational, exponential, and logarithmic functions, graphs, solving equations, conic sections, systems of equations, and inequalities. Because this is an honors course, students will be expected to complete extra assignments to gain deeper insight into precalculus.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Investigate, evaluate, and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations.
- Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 32
Precalculus II

5.0 Units

This course prepares students for calculus. Topics include extending the elementary functions of first-quarter precalculus to include the theory of periodic functions; composition of trigonometric functions with other elementary functions; polar co-ordinates; further exploration of the complex plane; introduction to the algebra of vectors.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 31 or MATH 31H or MATH 31B (with a grade of C or better); or a satisfactory score on college placement

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Formulate, construct, and evaluate trigonometric models to analyze periodic phenomena, identities, and geometric applications.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 32H
Precalculus II - HONORS

5.0 Units

This course prepares students for calculus. Topics include extending the elementary functions of first-quarter precalculus to include the theory of periodic functions; composition of trigonometric functions with other elementary functions; polar co-ordinates; further exploration of the complex plane; introduction to the algebra of vectors. Because this is an honors course, students will be expected to complete extra assignments to gain deeper insight into precalculus.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 31 or MATH 31H or MATH 31B (with a grade of C or better); or a satisfactory score on college placement

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Formulate, construct, and evaluate trigonometric models to analyze periodic phenomena, identities, and geometric applications.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 44
Mathematics in Art, Culture, and Society: A Liberal Arts Math Class

5.0 Units

This course is a survey of selected topics from contemporary mathematics, including problem-solving techniques and connections between mathematics and culture. It includes a selection of introductory topics from symmetry; graph theory; chaos and fractals; topology; number theory; geometry; combinatorics and counting; the mathematics of social choice; data analysis, probability, and statistics; consumer mathematics and personal financial management.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Analyze contemporary mathematical problems, apply problem solving techniques using a variety of methods, and communicate the results mathematically through a variety of forms.
- Demonstrate and correctly apply basic mathematical techniques in at least five of the following ten areas: symmetry, graph theory, fractals and chaos theory, topology, number theory, geometry, combinatorics, methods of social choice, probability and statistics, economics and personal finance.
- Examine and evaluate myths and realities about the contemporary discipline of mathematics and its practitioners.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 46

Mathematics for Elementary Education

5.0 Units

This course is designed for prospective elementary and middle school teachers. It gives an introduction to the discipline of mathematics as the use of logical, quantitative, and spatial reasoning in the abstraction, modeling, and problem solving of real-world situations. The main topics in the course include the origins of mathematics, mathematical reasoning and problem solving strategies, theory of sets, integers and integral number theory, rational numbers and proportion, real numbers and decimal notation, and measurement. Throughout the course students will experience the learning of mathematics in a way that models how they can create an active learning environment for their future students.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent

Prerequisite(s)
MATH 114 with a grade of C or better, or a qualifying score on Intermediate Algebra Placement Test within the past calendar year

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Analyze mathematical problems from elementary mathematics, apply problem solving techniques using a variety of methods, solve these problems individually and in groups, and communicate results mathematically through a variety of forms.
- Utilize ideas from number theory, distinguish types and properties of numbers, and employ mathematical rules for operating on rational and irrational numbers using verbal, symbolic, geometric, and numerical methods.
- Examine and evaluate myths and realities about the contemporary discipline of mathematics and its practitioners.
- Identify and discuss developments in the history of elementary mathematics from a variety of cultures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 76

Special Projects in Probability and Statistics

1.0 Units

Individual special reading, writing or study projects in probability and statistics as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes

- Investigate an area of special interest in the fields of probability and statistics and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

MATH 76X

Special Projects in Probability and Statistics

2.0 Units

Individual special reading, writing or study projects in probability and statistics as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes

- Investigate an area of special interest in the fields of probability and statistics and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

MATH 76Y

Special Projects in Probability and Statistics

3.0 Units

Individual special reading, writing or study projects in probability and statistics as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest in the fields of probability and statistics and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

MATH 77
Special Projects in Mathematics

1.0 Units

Individual special reading, writing, or study projects in mathematics as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

MATH 77X
Special Projects in Mathematics

2.0 Units

Individual special reading, writing, or study projects in mathematics as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

MATH 77Y
Special Projects in Mathematics

3.0 Units

Individual special reading, writing, or study projects in mathematics as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

MATH 78
Special Projects in Pure Mathematics

1.0 Units

Individual special reading, writing, or study projects in pure mathematics as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest in pure mathematics and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

MATH 78X

Special Projects in Pure Mathematics

2.0 Units

Individual special reading, writing, or study projects in pure mathematics as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest in pure mathematics and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

MATH 78Y

Special Projects in Pure Mathematics

3.0 Units

Individual special reading, writing, or study projects in pure mathematics as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest in pure mathematics and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

MATH 79

Special Projects in Applied Mathematics

1.0 Units

Individual special reading, writing, or study projects in applied mathematics as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest in applied mathematics and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

MATH 79X

Special Projects in Applied Mathematics

2.0 Units

Individual special reading, writing, or study projects in applied mathematics as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest in applied mathematics and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

MATH 79Y

Special Projects in Applied Mathematics

3.0 Units

Individual special reading, writing, or study projects in applied mathematics as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest in applied mathematics and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

MATH 109

Intermediate Algebra for Statistics

5.0 Units

Applications of linear and exponential functions. Emphasis on the development of models of real-world applications and interpretation of their characteristics. Introduction to discrete probability, and data analysis, making use of graphical and numerical techniques.

Course Information

Transferability
Not transferable

Student Learning Outcomes
- Evaluate real-world situations and distinguish between and apply linear and exponential function models appropriately.
- Analyze, interpret, and communicate results of linear and exponential models in a logical manner.
- Organize sample data by constructing and/or evaluating tables, graphs, and numerical measures of characteristics of data.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 114

College Math Preparation Level 3: Intermediate Algebra

5.0 Units

Application of exponential, logarithmic, and rational functions. Emphasis on the development of models of real world applications and interpretation of their characteristics.

Course Information

Transferability
Not transferable

Prerequisite(s)
MATH 212 or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Evaluate real-world situations and distinguish between and apply exponential, logarithmic, rational, and discrete function models appropriately.
- Analyze, interpret, and communicate results of exponential, logarithmic, and rational models in a logical manner from four points of view - visual, formula, numerical, and written.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 130

Intermediate Algebra for Precalculus

5.0 Units

Application of linear functions, quadratic functions, exponential functions, logarithmic functions and linear systems. Emphasis on the development of models of real-world applications and interpretation of their characteristics.

Course Information

Transferability
Not transferable

Student Learning Outcomes
- Evaluate real-world situations by applying linear, quadratic and exponential function models appropriately.
- Distinguish between and manipulate linear, quadratic and exponential models.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 210
College Math Preparation Level 1: Pre-Algebra

5.0 Units

Use of basic arithmetic in application problems, estimation, the real number system, variables and linear equations, graphs of linear equations and the Cartesian coordinate system, the concept of function.

Course Information

Transferability
Not transferable

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate and apply a systematic and logical approach to solving arithmetic and geometric problems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 210X
Support for Statistics

2.5 Units

A review of the core prerequisite skills, competencies, and concepts needed when studying probability and statistics. Intended for students who are concurrently enrolled in Statistics.

Course Information

Transferability
Not transferable

Corequisite(s)
MATH 10 or MATH 10H

Student Learning Outcomes
- Demonstrate mathematical concepts, skills and numeracy needed for understanding Probability and Statistics.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	30.0	**Lecture**	60.0
Laboratory	0.0	**Laboratory**	0.0
Total	30.0	**Total**	60.0

MATH 211X
Algebra Support for Finite Mathematics

2.5 Units

A review of the core prerequisite skills, competencies, and concepts needed when studying linear functions, exponential and logarithmic functions, and probability and optimization models. Intended for students who are concurrently enrolled in Finite Mathematics

Course Information

Transferability
Not transferable

Corequisite(s)
MATH 11 or MATH 11H

Student Learning Outcomes
- Demonstrate sound algebraic techniques by applying proper mathematical notation to problems involving functions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	30.0	**Lecture**	60.0
Laboratory	0.0	**Laboratory**	0.0
Total	30.0	**Total**	60.0

MATH 212
College Math Preparation Level 2: Beginning Algebra

5.0 Units

Application of linear functions, quadratic functions and linear systems to problems. Emphasis on the development of models of real-world applications and interpretation of their characteristics.

Course Information

Transferability
Not transferable

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Evaluate real-world situations and distinguish between and apply linear and quadratic function models appropriately.
- Analyze, interpret, and communicate results of linear and quadratic models in a logical manner from four points of view - visual, formula, numerical, and written.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MATH 217

Integrated Statistics 1

10.0 Units

This is the first quarter of two in the Statway sequence comprised of MATH D217. and MATH D017. This sequence covers concepts and methods of statistics with an emphasis on data analysis. Topics include methods for collecting data, graphical and numerical descriptive statistics, correlation, simple linear regression, non-linear models and basic concepts of probability. The course introduces the student to applications in engineering, business, economics, medicine, education, the sciences, and those pertaining to issues of contemporary interest. Where appropriate, the contributions to the development of statistics by men and women from diverse cultures will be introduced. This sequence is recommended for students with majors that require no mathematics beyond freshman-level statistics. It is not appropriate for students with majors in math, science, computer science or business, nor for students desiring to transfer to a private university.

Course Information

Transferability
Not transferable

Prerequisite(s)
Qualifying score on the Math Placement Test within last calendar year; or MATH 210 or equivalent with a grade of C or better

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Organize, analyze, and utilize appropriate methods to draw conclusions based on sample data by constructing and/or evaluating tables, graphs, and numerical measures of characteristics of data.
- Analyze and describe data distributions through the study of probability theory.
- Evaluate real-world situations and apply linear, quadratic and exponential function models appropriately.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	10.0	20.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	120.0	**Lecture**	240.0
Laboratory	0.0	**Laboratory**	0.0
Total	120.0	**Total**	240.0

MATH 231

Algebra Support for Precalculus I

2.5 Units

A review of the core prerequisite skills, competencies, and concepts needed in when studying polynomial, rational, exponential and logarithmic functions. Intended for majors in business, science, technology, engineering, and mathematics who are concurrently enrolled in Precalculus I.

Course Information

Transferability
Not transferable

Corequisite(s)
MATH 31, D031H, D041., or D041H

Student Learning Outcomes
- Demonstrate sound algebraic techniques by applying proper mathematical notation to problems involving functions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	30.0	**Lecture**	60.0
Laboratory	0.0	**Laboratory**	0.0
Total	30.0	**Total**	60.0

MATH 231A

Algebra Support for Precalculus I (Part 1)

2.5 Units

A review of the core prerequisite skills, competencies, and concepts needed when studying polynomial and rational functions. Intended for majors in business, science, technology, engineering, and mathematics who are concurrently enrolled in Precalculus I.

Course Information

Transferability
Not transferable

Corequisite(s)
MATH 31A

Student Learning Outcomes
- Demonstrate sound algebraic techniques by applying proper mathematical notation to problems involving algebraic functions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	30.0	**Lecture**	60.0
Laboratory	0.0	**Laboratory**	0.0
Total	30.0	**Total**	60.0

MATH 231B

Algebra Support for Precalculus I (Part 2)

2.5 Units

A review of the core prerequisite skills, competencies, and concepts needed when studying exponential and logarithmic functions. Intended for majors in business, science, technology, engineering, and mathematics who are concurrently enrolled in Precalculus I.

Course Information

Transferability
Not transferable

Corequisite(s)
MATH 31B

Student Learning Outcomes
- Demonstrate sound algebraic techniques by applying proper mathematical notation to problems involving transcendental functions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	30.0	**Lecture**	60.0
Laboratory	0.0	**Laboratory**	0.0
Total	30.0	**Total**	60.0

MATH 232

Algebra Support for Precalculus II

2.5 Units

A review of the core prerequisite skills, competencies, and concepts needed in studying the theory of trigonometric functions and their applications. Intended for majors in business, science, technology, engineering, and mathematics who are concurrently enrolled in Precalculus II.

Course Information

Transferability
Not transferable

Corequisite(s)
MATH 32, D032H, D042., or D042H

Student Learning Outcomes
- Demonstrate sound algebraic techniques by applying proper mathematical notation to trigonometric problems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	30.0	**Lecture**	60.0
Laboratory	0.0	**Laboratory**	0.0
Total	30.0	**Total**	60.0

MATH 241

Academic Excellence in Precalculus I

1.0 Units

This course allows students to critically think and provides skills reinforcement in a precalculus setting, which includes cooperative learning/study techniques; concept development related to polynomial, rational, exponential and logarithmic functions, and their graphs; and the use of technology.

Course Information

Transferability
Not transferable

Corequisite(s)
MATH 41 or MATH 41H

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Analyze and develop linear, polynomial, exponential and logarithmic function models.
- Communicate concepts and solutions for problems both verbally and in writing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

MATH 242

Academic Excellence in Precalculus II

1.0 Units

This course allows students to critically think and provides skills reinforcement in a trigonometry setting, which includes cooperative learning/study techniques, concept development, and the use of technology.

Course Information

Transferability
Not transferable

Corequisite(s)
MATH 42 or MATH 42H

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Formulate, construct, and evaluate trigonometric models to analyze periodic phenomena, identities, and geometric applications.
- Communicate concepts and solutions for problems both verbally and in writing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

MATH 243

Academic Excellence in Precalculus III

1.0 Units

This course allows students to critically think and provides skills reinforcement in a precalculus setting, which includes cooperative learning/study techniques; concept development related to conic sections, parametric and polar equations, systems of equations and inequalities; and the use of technology.

Course Information

Transferability
Not transferable

Corequisite(s)
MATH 43 or MATH 43H

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Analyze and develop trigonometric, matrix, and discrete models for problems within two- and three- dimensional Cartesian or polar coordinate systems.
- Communicate concepts and solutions for problems both verbally and in writing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

MET 10
Weather and Climate Processes

5.0 Units

Introduction to the principles of the sciences of meteorology and climatology including: history of the sciences; origin, evolution and structure of the atmosphere; major atmospheric variables that determine weather; global and local wind circulations; air masses and frontal systems; birth and development of extra tropical and tropical cyclones and associated severe weather phenomena; weather map analysis and interpretation; objective techniques used by meteorologists to forecast weather; air pollution; atmospheric optics, global climate and the processes that produce climate change including "global warming."

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 210 or equivalent.

Student Learning Outcomes
- Analyze and explain the objective techniques used by synoptic meteorologists and climatologists to forecast our planet's weather and to predict future changes in our planet's climate. .
- Assess and critique the impact of meteorology and climatology as sciences on local, national and international economic, environmental, ethical and political issues including climate change.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MET 10L
Meteorology Laboratory

1.0 Units

Introductory weather lab in which students work with observational data, graphics products, charts and instruments used by synoptic meteorologists to forecast weather. Lab sessions will include current weather products downloaded from the American Meteorological Society's "Online Weather Studies" homepage which has been specifically designed for this course and from De Anza College's automated rooftop weather station. Students will practice the analysis and decision-making skills employed by meteorologists to diagnose air patterns, understand air motions and predict future atmospheric conditions.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MET 10 (may be taken concurrently)

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 210 or equivalent.

Student Learning Outcomes
- Assess and evaluate the analysis and decision-making skills employed by meteorologists to diagnose air patterns, understand air motions and predict future atmospheric conditions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

MET 12
Introduction to Climate Change

5.0 Units

This course is an introduction to the study of global climate change, including both natural and human-induced causes. Topics include interactions among Earth's various climate subsystems--the hydrosphere, lithosphere, atmosphere, and biosphere--and how exchanges of energy and matter between them govern Earth's climate. Students will also examine the methods used by climate scientists to construct past climates and to predict future climate changes. The impact that humans have had on the climate system and potential solutions to climate change will be woven throughout.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 210 or equivalent.

Student Learning Outcomes
- Distinguish Science from Pseudoscience.
- Assess the tools and procedures used by climate scientists to reconstruct earth's previous climate and to predict future climate shifts.
- Explain the terms and concepts of climate science and use those terms and concepts to communicate local and global issues of climate concern.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0

Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

MET 20L

Climate Change Laboratory

1.0 Units

The course is an introductory climatology lab developed in collaboration with the American Meteorological Society which places students in a dynamic learning environment where they investigate Earth's climate system using real-world data used by professional climatologists to study and forecast future changes in Earth's climate system. Lab sessions will include current computer graphics products downloaded from the American Meteorological Society's "Online Climate Studies" homepage which has been specifically designed for this course. Students will practice the analytical skills used by climatologists in assessing the world's climate and will examine the factors that produce critical changes in climate such as "global warming." While focusing on science, students will also address many of the social and societal impacts of impending climate change.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MET 10 or MET 12 (may be taken concurrently)

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 210 or equivalent.

Student Learning Outcomes
- Identify the primary reasons for studying Earth's climate system and how it functions and to become more aware of the significance of climate, climate variability and climate change for our well being wherever we live.
- Distinguish the main anthropogenic and natural causes of climate change, and to determine the main causes of current climate change.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

MET 20L

Climate Studies Laboratory

1.0 Units

Introductory climatology lab developed in collaboration with the American Meteorological Society which places students in a dynamic learning environment where they investigate Earth's climate system using real-world data used by professional climatologists to study and forecast future changes in Earth's climate system. Lab sessions will include current computer graphics products downloaded from the American Meteorological Society's "Online Climate Studies" homepage which has been specifically designed for this course. Students will practice the analytical skills used by climatologists in assessing the world's climate and will examine the factors that produce critical changes in climate such as "global warming." While focusing on science, students will address many of the social and societal impacts of impending climate change.

Course Information

Transferability
Transferable to both UC and CSU

Student Learning Outcomes
- To identify the primary reasons for studying Earth's climate system and how it functions and to become more aware of the significance of climate, climate variability and climate change for our well being wherever we live.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

MUSI 1A

Music Appreciation: Music in Western Cultures

4.0 Units

Introduction to the discipline of music; methods of understanding music available in modern culture; listening techniques; use of fundamental concepts including form, style, musical media, and textures; acquaintance with and comparison of musical examples from various eras and cultures; roles of music in society.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Employ a basic vocabulary of common music terms to describe observations of recorded and live music.
- Recognize individual instruments and voices in the various ensembles in which they are used while identifying the time period of given compositions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

MUSI 1B

Music Appreciation: Jazz Styles

4.0 Units

Introduction to the discipline of music through American Jazz; from its multicultural origins to the present; listening skills and use of fundamental musical elements for distinguished jazz styles; social issues, noted performers, and technological advancements found in jazz.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Employ a basic vocabulary of common music terms to describe observations of recorded and live music.

- Recognize individual instruments and voices and the various ensembles in which they are used.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

MUSI 1C
Music Appreciation: World Music in America

4.0 Units

An introduction to music through world music and its influence on current musical trends in the United States. Music of diverse cultures which will include Native Americans, Asia/Pacific Rim, India, Africa, South and Central America, Mexico, and the Caribbean are presented in conjunction with American and European traditions; listening skills for distinguishing musical cultures, instrumentations and artists.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Employ a basic vocabulary of common music terms to describe observations of recorded and live music.
- Recognize individual instruments and voices and the various ensembles in which they are used.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

MUSI 1D
Music Appreciation: Rock - From Roots to Rap

4.0 Units

An introduction to music through rock music, tracing its beginnings in the early 1950s to the present. Various rock styles will be related to the historical trends and events of the time period being studied; listening techniques; use of fundamental concepts including form, style, musical media, and textures; acquaintance with and comparison of musical examples from various styles.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Employ a basic vocabulary of common music terms to describe observations of recorded and live music.
- Recognize individual instruments and voices and the various ensembles in which they are used.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

MUSI 2
Music Fundamentals

3.0 Units

This is a basic introduction to concepts and skills of music notation, rhythm, major and minor scales and keys, simple sight-reading, key signatures, melody, and triads. This course is open to all students and may be appropriate for students with low scores on the MUSI 3A diagnostic test. Music Fundamentals students with no previous musical experience may benefit from concurrent enrollment in a beginning instrumental or vocal performance class.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly MUSI D010A.)

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Demonstrate understanding of basic standard notation of pitch and rhythm.
- Write major and minor scales with and without key signatures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

MUSI 3A
Comprehensive Musicianship (First Quarter)

4.0 Units

This course covers basic knowledge such as notation, key signatures, scales, intervals, and rudimentary harmony as well as skill development including sight-singing, rhythmic training, ear training, and keyboard work.

Course Information

Transferability
Transferable to both UC and CSU

Student Learning Outcomes
- Demonstrate knowledge of notation and scales by being able to notate all diatonic modes and standard diatonic mode variants from a given key and mode name.
- Demonstrate the use of solfeggio in accurate sight singing of melodies containing a preponderance of conjunct motion.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.5	7.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	42.0	**Lecture**	84.0
Laboratory	18.0	**Laboratory**	0.0
Total	60.0	**Total**	84.0

MUSI 3B
Comprehensive Musicianship (Second Quarter)

4.0 Units

This course covers principles, literacy, and parameters of music including writing elementary four-part harmony, sight-singing, rhythmic training, ear training, and keyboard work for the student with some basic skills and education in standard notation.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MUSI 3A or by audition

Student Learning Outcomes
- Apply the stylistic principles of and normative adherence to the rules of strict four part writing using tertian triads in root, 6, and 6/4 positions in writing short pieces in four parts (SATB) from a given melody, bass line, or chord progression.
- Demonstrate the use of solfeggio in accurate sight singing of melodies containing a balance of disjunct and conjunct motions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.5	7.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	42.0	**Lecture**	84.0
Laboratory	18.0	**Laboratory**	0.0
Total	60.0	**Total**	84.0

MUSI 3C
Comprehensive Musicianship (Third Quarter)

4.0 Units

This course covers principles, literacy, and parameters of music including writing, sight singing, rhythmic training, ear training, keyboard work, beginning analysis, and simple melody composition.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MUSI 3B or by audition

Student Learning Outcomes
- Apply the stylistic principles of and normative adherence to the rules of strict four part writing using tertian triads in root, 6, and 6/4 positions including secondary authentic and modulating functions.
- Demonstrate the use of solfeggio in accurate sight singing of melodies containing a balance of disjunct and conjunct motions a) in tempo with all nuances indicated and b) against interfering notes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.5	7.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	42.0	**Lecture**	84.0
Laboratory	18.0	**Laboratory**	0.0
Total	60.0	**Total**	84.0

MUSI 4A
Comprehensive Musicianship II (First Quarter)

4.0 Units

This course covers principles, literacy, and parameters of music including writing scores, comprehensive and aural analysis, sight-singing, rhythmic training, ear training, and keyboard work including extended pitch vocabulary.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MUSI 3C or by audition

Student Learning Outcomes
- Apply the stylistic principles of and normative adherence to the rules of strict four part writing using tertian triads and 7th chords in all positions including secondary authentic, modal borrowing, Neapolitan, augmented 6th chords, and modulating functions.
- Analyze pieces accurately and comprehensively at the level of complexity of Chopin Mazurkas.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.5	7.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	42.0	**Lecture**	84.0
Laboratory	18.0	**Laboratory**	0.0
Total	60.0	**Total**	84.0

MUSI 4B
Comprehensive Musicianship II (Second Quarter)

4.0 Units

This course covers principles, literacy, and parameters of music including writing musical

scores, comprehensive and aural analysis, sight-singing, rhythmic training, ear training, and keyboard work, exploring the chromatic practice and the limits of the tonal system including a review of diatonic practice.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MUSI 4A or by audition

Student Learning Outcomes
- Apply the stylistic principles of and normative adherence to the rules of diatonically responsible chromaticism in writing both 4-part and melody plus accompaniment textures.
- Analyze pieces accurately and comprehensively at the level of complexity of Brahms Intermezzos.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.5	7.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	42.0	**Lecture**	84.0
Laboratory	18.0	**Laboratory**	0.0
Total	60.0	**Total**	84.0

MUSI 4C
Comprehensive Musicianship II (Third Quarter)

4.0 Units

This course covers principles, literacy, and parameters of music including writing, comprehensive and aural analysis, sight-singing, rhythmic training, ear training, and keyboard work exploring post-tonal practice and the influence of non-notated, experimentally notated, and non-Western music on an emerging worldwide art music culture.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MUSI 4B or by audition

Student Learning Outcomes
- Apply the stylistic principles and norms of various post tonal genres in writings with instrumentation appropriate to the genre.
- Use both solfeggio and intervallic naming in accurately singing post tonal melodies as well as quasi tonal bass lines while other parts are being played.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.5	7.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	42.0	**Lecture**	84.0
Laboratory	18.0	**Laboratory**	0.0
Total	60.0	**Total**	84.0

MUSI 6A
Beginning Songwriting I

1.5 Units

This course is an introduction to the art and craft of songwriting and covers musical elements such as melody, harmony, rhythm and form, and instrumentation. Students work with choosing text and lyric adaptations. Analysis of existing professionally written song literature is also involved. This course is open to all students. Students with no experience in music theory and/or playing an instrument are advised to enroll in relevant music courses.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
Advisory: Ability to play a musical instrument.

Student Learning Outcomes
- Create song(s) which show understanding of songwriting techniques
- Analyze existing song literature and identify stylistic elements in songs

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 6B
Beginning Songwriting II

1.5 Units

This course develops songwriting skills and techniques at the intermediate level. Students explore advanced musical elements as well as create text and lyric adaptations. Analysis of styles and trends used in professional songs is also involved. Students should continue the study of music theory and an instrument.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MUSI 6A or permission of instructor

Student Learning Outcomes
- Create set of songs which show understanding of songwriting techniques
- Analyze existing song literature and identify stylistic elements in songs as well as trends

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 6C
Beginning Songwriting III

1.5 Units

This course develops songwriting skills and techniques at the advanced level. Students continue to explore advanced musical elements, conduct advanced text research, and learn advanced lyric creation techniques. Analysis of styles and trends used in professional songs is also involved. Students should continue the study of music theory and an instrument.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MUSI 6B or permission of instructor

Student Learning Outcomes
- Create set of songs which show understanding of songwriting techniques
- Analyze existing song literature and identify stylistic elements in songs as well as trends

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 8
Intermediate Electronic Music

3.0 Units

This course covers intermediate level electronic music techniques including digital and analog synthesizer sound design and editing; professional studio and computer music software including integrated audio/MIDI sequencing software, instrument editors, software synthesizers; basic audio/MIDI studio configuration; modular synthesis; basic digital audio recording and editing; basic audio signal processing; introduction to concepts of music notation software; historical and technological development of electronic music; and roles of electronic music technology in modern music. Some prior music experience and/or concurrent enrollment in MUSI D002. or MUSI D012A is recommended, but not required.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MUSI 51

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Design and edit sounds using hardware and software synthesis and editing tools.
- Create musical/audio projects using audio/MIDI sequencing software, audio signal processing software and hardware, and mixing hardware and software.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

MUSI 9A
Jazz Piano I

1.5 Units

Development of the ability to play basic jazz piano arrangements from lead sheets in a variety of jazz styles using knowledge of jazz harmony, jazz piano techniques, and improvisational skills. Improvisational skill is developed through the application of provided scale choices and techniques for melodic development.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly MUSI D009.)

Prerequisite(s)
Ability to play a keyboard instrument and read music.

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Class Applied Performance - Jazz and Non-Western Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Class Applied Performance - Jazz and Non-Western

Student Learning Outcomes
- Demonstrate the ability to play basic jazz piano arrangements in a variety of jazz styles using knowledge of jazz harmony and jazz piano techniques.
- Demonstrate the ability to improvise on piano through the application of provided scale choices and the application of techniques for melodic development.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 9B
Jazz Piano II

1.5 Units

Development of the ability to play intermediate jazz piano arrangements from lead sheets in a variety of jazz styles and settings using knowledge of jazz theory, jazz piano techniques, and improvisational skills. Improvisational skill on the piano is developed through the application of scales determined through the use of jazz theory and harmonic analysis, and the application of techniques for melodic development.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly MUSI D069B.)

Prerequisite(s)
MUSI 9A or by instructor consent

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Class Applied Performance - Jazz and Non-Western Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family

DA - Class Applied Performance - Jazz and Non-Western

Student Learning Outcomes

- Demonstrate the ability to perform expanded jazz styles such as bebop, boogie-Woogie, and calypso on the piano.
- Demonstrate the ability to perform the natural and altered chord extensions on the 5 types of 7th chords, along with improvising on appropriate scales that align with those chords.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 9C
Jazz Piano III

1.5 Units

Development of the ability to play advanced jazz piano arrangements from lead sheets in a variety of jazz styles and settings using knowledge of jazz harmony, jazz piano techniques, and improvisational skills. Improvisational skill on the piano is developed through the application of basic to advanced scales determined through the use of jazz theory and harmonic analysis, and the application of idiomatic phrases.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly MUSI D069C.)

Prerequisite(s)
MUSI 9B or by instructor consent

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Class Applied Performance - Jazz and Non-Western Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Class Applied Performance - Jazz and Non-Western

Student Learning Outcomes

- Demonstrate a knowledge and understanding of Hard Bop and Afro-Caribbean jazz styles through jazz piano performance.
- Demonstrate knowledge and understanding of reharmonization, tritone substitutions, and altered and diminished scales through jazz piano performance.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 12A
Class Piano I

1.5 Units

Beginning piano for students with no previous instruction, those who need knowledge of piano for a teaching credential, music majors, and the general student.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
MUSI 2

Repeatability
(This course is included in the Piano Class Applied Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Piano Class Applied Performance

Student Learning Outcomes

- Demonstrate the basic knowledge of music notation enabling them to find pitches to be played on the keyboard and for the amount of time suggested by standard proportional durations.
- Play major scales up to five sharps and flats with a high degree of accuracy.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 12B
Class Piano II

1.5 Units

Basic piano for beginning students who read treble and bass clef and understand music notation.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MUSI 12A or consent of instructor

Repeatability
(This course is included in the Piano Class Applied Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Piano Class Applied Performance

Student Learning Outcomes

- Accurately read beginning piano music like selections from J.S. Bach's Anna Magdalena Bach collection, Clementi Sonatinas, and Schumann Album for the Young in both major and minor keys.
- Ability to analyze the structure and form of these pieces as well demonstrate a basic understanding of the harmonies and dynamics of the pieces played.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 12C
Class Piano III

1.5 Units

Piano performance with emphasis on interpretation, musical form and harmony.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MUSI 12B or consent of instructor

Repeatability
(This course is included in the Piano Class Applied Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Piano Class Applied Performance

Student Learning Outcomes
- Perform piano solos from memory and music scores.
- Develop an advanced understanding the implications of form, harmony, and dynamics in playing pieces.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 13A
Beginning Singing I

1.5 Units

This course provides class instruction for beginners in the techniques of solo and group singing. Training in controlling tonal production, breathing, diction, and musical accuracy, including the development of vocal repertoire and performance techniques.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Advisory(ies)
An understanding of basic music notation and some possession of basic piano skills, or concurrent enrollment in MUSI 2 or MUSI 12A

Repeatability
(This course is included in the Voice Class Applied Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Voice Class Applied Performance

Student Learning Outcomes
- The successful student will demonstrate proper beginning level technique: breathing, support, and placement.
- The successful student will develop solo singing repertoire (primarily Italian).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 13B
Beginning Singing II

1.5 Units

This is a continuation of MUSI 13A, with emphasis on musicianship, memorization, legato singing, correction of individual problems, and the rudiments of performance. This course includes training in controlling tonal production, breathing, diction, and musical accuracy, and the development of vocal repertoire and performance techniques.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MUSI 13A or equivalent

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Advisory(ies)
An understanding of basic music notation and some possession of basic piano skills, or concurrent enrollment in MUSI 2 or MUSI 12A

Repeatability
(This course is included in the Voice Class Applied Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Voice Class Applied Performance

Student Learning Outcomes
- The successful student will develop control of all basic vowels and consonant sounds.
- The successful student will continue to develop singing repertoire in a variety of languages (primarily Italian, German, French and English).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 13C
Beginning Singing III

1.5 Units

A continuation of MUSI D013B with emphasis on developing repertoire of art songs (Italian, German, French, English) and musicianship, memorization, legato singing, correction of individual problems, and introduction to opera and music theater. Includes technique

development and the rudiments of performance. Training in controlling tonal production, breathing, diction, and musical accuracy.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly MUSI D053C.)

Prerequisite(s)
MUSI 13B or equivalent

Repeatability
(This course is included in the Voice Class Applied Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Voice Class Applied Performance

Student Learning Outcomes
- Master basic techniques of vocal production.
- Continue to develop singing repertoire in a variety of styles and languages.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 14A
Classical Guitar I

1.5 Units

This course will provide students with beginning instruction for playing the classical, nylon-stringed guitar, assuming there is no prior musical experience. It introduces basic note reading on the first four frets of the instrument, left and right-hand techniques, including free strokes, rest strokes, arpeggio technique, left-hand development of strength and independence. Chords, chord progression, and basic strumming techniques will also be introduced.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Guitar Class Applied Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Guitar Class Applied Performance

Student Learning Outcomes
- Identify notes and rhythms, and play in the first position of all six strings at a beginning level.
- Use right and left hand techniques to demonstrate their comprehension of rest strokes, free strokes, single line melodies, and chords.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 14B
Classical Guitar II

1.5 Units

This course includes refinement and expansion of classical guitar techniques learned in Classical Guitar I. Topics include expanded arpeggio techniques, free stroke, and rest stroke development, slur technique, complex rhythms, multiple-voice music reading, and repertoire development. Music fundamentals such as major and minor scales and chord construction will also be covered.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MUSI 14A or equivalent level; admission by instructor consent

Repeatability
(This course is included in the Guitar Class Applied Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Guitar Class Applied Performance

Student Learning Outcomes
- Identify notes and play in the first position music appropriate to second-term study.
- Use right and left hand techniques to demonstrate comprehension of rest strokes, free strokes, arpeggios and multi-part music at a level appropriate to second-term study.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 14C
Classical Guitar III

1.5 Units

Continuation and expansion of skills learned in Classical Guitar II. Development of sight-reading skills, complex rhythms and multiple-voice music in first through third positions using exercises and standard guitar repertoire. Emphasis on proper technique, interpretation, dynamics and tone color.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MUSI 14B or equivalent level; admission by instructor consent

Repeatability
(This course is included in the Guitar Class Applied Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Guitar Class Applied Performance

Student Learning Outcomes
- Demonstrate a variety of techniques for playing the classical guitar repertoire at an appropriate level for third-term study, such as Arpeggios with complex finger patterns and accentuation of melody within arpeggio.

- Demonstrate knowledge of music fundamentals as they relate to the guitar, such as Identifying key signatures; identifying and demonstrating advanced notated rhythms; demonstrating knowledge of the guitar fingerboard in second and third positions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 14D
Classical Guitar IV

1.5 Units

Continuation of skills learned in MUSI D014C, with greater emphasis on higher positions and longer/more difficult compositions.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly MUSI D054D.)

Prerequisite(s)
MUSI 14C or equivalent level; admission by instructor consent

Repeatability
(This course is included in the Guitar Class Applied Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Guitar Class Applied Performance

Student Learning Outcomes
- Demonstrate technical ability for playing the classical guitar repertoire appropriate for fourth-term study, such as increased dynamic control, accuracy and speed.
- Demonstrate knowledge of music fundamentals as they relate to the guitar, such as Identifying key signatures; identifying and demonstrating advanced notated rhythms; demonstrating knowledge of the guitar fingerboard in second through fifth positions and the ability to sight read easy exercises and pieces in the first position.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 15A
Guitar Ensemble I

2.0 Units

Introduction to the performance of music for guitar ensemble, emphasizing sight reading, rhythmic accuracy and ensemble skills. Music from the 15th century to the present will be rehearsed and performed. Topics may include: Music written for guitar orchestras, transcriptions from orchestral scores, transcriptions for guitar duos, trios and quartets, as well as modern music using contemporary rhythmic and melodic concepts and alternative performance techniques (prepared guitar, percussion, extended glissandi).

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Enrollment subject to audition; ability to execute proper classical guitar technique and read music.

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(Satisfies the requirement of an associate degree music course. Any combination of MUSI D015A and MUSI D015B may be taken up to six times for credit.)

Student Learning Outcomes
- Learn, rehearse, and publicly perform selected repertoire from the Guitar Orchestra and ensemble literature found in various time periods from the Baroque Era to the present.
- Participate in the art of performing in a guitar ensemble by demonstrating correct technique, phrasing, balance, dynamics, and tone quality.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	36.0	**Laboratory**	0.0
Total	48.0	**Total**	24.0

MUSI 15B
Guitar Ensemble II

2.0 Units

Continuation of Guitar Ensemble I, emphasizing sight-reading at higher positions, greater accuracy at increased tempos and/or rhythms, and ensemble skills. Music from the 15th century to the present will be rehearsed and performed.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MUSI 15A or equivalent; enrollment subject to audition

Repeatability
(Satisfies the requirement of an associate degree music course. Any combination of MUSI D015A and D0MUSI 15B may be taken up to six times for credit.)

Student Learning Outcomes
- Learn, rehearse, and publicly perform selected repertoire from the Guitar Orchestra and ensemble literature found in various time periods from the Renaissance Era to the present.
- Participate in the art of performing in a guitar ensemble by demonstrating correct technique, phrasing, balance, dynamics, and tone quality.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	36.0	**Laboratory**	0.0
Total	48.0	**Total**	24.0

MUSI 16A

Beginning Acoustic Guitar

1.5 Units

A beginning level course covering basic guitar technique, such as strumming, fingerstyle picking, and open and moveable position chords. Both tablature and music notation are covered. No previous musical experience is required. Ideal for learning folk song accompaniment and basic melodies, as well as simple "riffs" and improvisation. Highly recommended for those pursuing music education or primary school teaching certificates and degrees.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly MUSI D056A.)

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Guitar Class Applied Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Guitar Class Applied Performance

Student Learning Outcomes
- Perform several chord progressions in different keys using both strumming and fingerstyle techniques.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 16B

Jazz, Blues and Popular Guitar

1.5 Units

This course is an early-intermediate level study of the common practices used in jazz, blues and selected styles of popular music. Guitar styles from the 1940s to the present will be examined through the use of recording and written examples. Chord voicing, scales, right hand picking techniques, and development of solo skills in these styles will be emphasized.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly MUSI D016.)

Prerequisite(s)
MUSI 16A or equivalent skill level; admission by instructor consent

Repeatability
(This course is included in the Class Applied Performance - Jazz and Non-Western Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Class Applied Performance - Jazz and Non-Western

Student Learning Outcomes
- Perform songs and exercises in jazz, blues, and popular music forms applying basic jazz scale forms and chord voicings.
- Demonstrate appropriate technique for performing both lead and accompaniment.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 17

Beginning Guitar

1.5 Units

This course will provide students with beginning instruction for playing both acoustic (steel string) and classical (nylon string) guitar. No prior musical experience is required. Topics include basic note and tablature reading on the first four frets of the instrument; right-hand techniques, including free strokes, rest strokes, fingerstyle/arpeggio technique and pick technique; chords, chord progressions, and various strumming techniques; and music fundamentals, including scales and chord construction. These elements are especially suited for learning folk song accompaniment and basic melodies and are highly recommended for students who are pursuing music education or primary school teaching certificates and degrees.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Guitar Class Applied Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Guitar Class Applied Performance

Student Learning Outcomes
- Perform several chord progressions in different keys using both strumming and fingerstyle techniques.
- Employ proper rest and free stroke techniques for basic classical guitar exercises.
- Read music for guitar at a rudimentary level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 18A

Intermediate Piano I

1.5 Units

A study of the traditional classical piano literature from the Baroque era to present day. Focus

will be on the differences in interpretation and style for each of the time periods as well as development of piano technique, specifically required for mastery of compositions from those time periods.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly MUSI D078A.)

Prerequisite(s)
MUSI 12C or equivalent skill level or admission by audition

Repeatability
(This course is included in the Piano Class Applied Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Piano Class Applied Performance

Student Learning Outcomes
- Demonstrate accurate piano technique on major and minor scales, given arpeggios, and major, minor and primary triads in root position.
- Demonstrate a more advanced understanding of interpretation and historical contexts of Baroque and Classical piano literature.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 18B
Intermediate Piano II

1.5 Units

Continued study of the traditional classical piano literature from the Baroque era to the present day. Focus will be on the differences in interpretation and style for each of the time periods as well as the development of advanced piano technique specifically required for mastery of compositions from those time periods.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly MUSI D078B.)

Prerequisite(s)
MUSI 18A or equivalent skill level or admission by audition

Repeatability
(This course is included in the Piano Class Applied Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Piano Class Applied Performance

Student Learning Outcomes
- Demonstrate accurate piano technique on chromatic scales, given arpeggios, and dominant seventh chords in all keys.
- Demonstrate a more advanced understanding of interpretation and historical contexts of Romantic and 20th Century piano literature.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 18C
Intermediate Piano III

1.5 Units

A study the traditional classical piano literature from the Baroque to the present day. Focus will be on the differences in interpretation and style for each of the time periods as well as development of advanced intermediate piano technique specifically required for mastery of compositions from those time periods.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly MUSI D078C.)

Prerequisite(s)
MUSI 18B or equivalent skill level or admission by audition

Repeatability
(This course is included in the Piano Class Applied Performance Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Piano Class Applied Performance

Student Learning Outcomes
- Demonstrate accurate piano technique on whole tone and diminished scales, Arpeggios on diminished and dominant seventh chords, and diminished and augmented triads in all inversions.
- Demonstrate an advanced understanding of interpretation and historical context of Impressionistic piano literature.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 20
De Anza Chorale

2.0 Units

This course includes study and performance of traditional, classical and contemporary choral literature, as well as cultivation of performance skills in accompanied music (including piano, orchestra, and band). Student attendance at all scheduled performances is required. Enrollment is open to all students. An introductory placement hearing will assess pitch-matching ability and determine vocal range and appropriate choral part.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(Satisfies the requirement of an associate degree music course. May be taken up to six times for credit.)

Student Learning Outcomes

- Demonstrate skills learned in class, such as proper vocal technique and correct notes and rhythms, that are critical to a successful chorale performance.
- Perform major choral works with orchestra.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	36.0	**Laboratory**	0.0
Total	48.0	**Total**	24.0

MUSI 21
Vintage Singers

2.0 Units

Students in this course will study and perform specialized choral styles, from early to modern, written for chamber chorus. Enrollment is subject to audition. Choral experience, previous vocal training, and some music reading ability are necessary. Attendance at all mandatory rehearsals and scheduled performances is required.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Advisory(ies)
prior choral experience recommended

Repeatability
(Satisfies the requirement of an associate degree music course. May be taken up to six times for credit.)

Student Learning Outcomes

- Students practice proper rehearsal technique in group singing.
- Recognize traditional, contemporary and experimental choral music notations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	36.0	**Laboratory**	0.0
Total	48.0	**Total**	24.0

MUSI 22
Early Music Study and Performance

2.0 Units

This course includes the study and performance of instrumental and vocal music from the Medieval and Renaissance periods, including the cultivation of performance skills aimed at emulating the spirit and vitality of those periods. Attendance at all scheduled performances is required. Enrollment is open to all students. An introductory audition will determine placement in the appropriate section of singers.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Advisory(ies)
prior choral experience is recommended

Repeatability
(Satisfies the requirement of an associate degree music course. May be taken up to six times for credit.)

Student Learning Outcomes

- Students practice proper rehearsal techniques in group singing.
- Recognize traditional and early music notations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	36.0	**Laboratory**	0.0
Total	48.0	**Total**	24.0

MUSI 25
Applied Music

1.0 Units

This course is an individualized study of the appropriate techniques and repertoire for the specific instrument or voice being studied. Emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. The laboratory will include activities such as individual one on one music instruction and group meetings, as well as faculty-supervised on-campus practice. This course requires technical command of the instrument and basic knowledge of musicianship.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Placement by audition; MUSI 3A, D003B, D003C, D004A, D004B or D004C (may be taken concurrently) and MUSI 15A, D015B, D020., D021., D022., D031., D034., D042. or D045. (may be taken concurrently)

Repeatability
(Satisfies the requirement of an associate degree music course. May be taken up to six times for credit.)

Student Learning Outcomes

- Improve the ability to rehearse and perform as an individual and/or ensemble.
- Demonstrate acquired musical skills through final public performance.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

MUSI 31

Chamber Orchestra

2.0 Units

This course includes the study, preparation, and performance of orchestral literature for chamber orchestra, with an emphasis on both early and late 18th-century performance practice and the application of that practice, rhetoric, and sensibility into the music of the 19th, 20th, and 21st centuries.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Enrollment subject to audition; ability to play an orchestral instrument and read music at sight.

Repeatability
(Satisfies the requirement of an associate degree music course. May be taken up to six times for credit.)

Student Learning Outcomes

- Sight read, rehearse, and publicly perform selected repertoire from the Chamber Orchestra literature found in various time periods from the Baroque Era to the present.
- Participate in the art of performing in an ensemble by demonstrating correct intonation, phrasing, balance, dynamics, and tone quality on his or her instrument.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	36.0	**Laboratory**	0.0
Total	48.0	**Total**	24.0

MUSI 34

Jazz Ensemble

2.0 Units

This course will cover sight-reading, rehearsal, performance, and recording of diverse styles of music, composed and arranged for standard jazz ensemble, with emphasis on improvising within the ensemble structure as a goal for each individual.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Audition based on the ability to play a traditional big band instrument and read music.

Repeatability
(Satisfies the requirement of an associate degree music course. May be taken up to six times for credit.)

Student Learning Outcomes

- Sight read, rehearse, and publicly perform selected repertoire from the Big Band literature found in various time periods from the Swing Era to the present.
- Participate in the art of performing in an ensemble by demonstrating correct intonation, phrasing, balance, dynamics, and tone quality on his or her instrument.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	36.0	**Laboratory**	0.0
Total	48.0	**Total**	24.0

MUSI 35

Mariachi Ensemble

2.0 Units

This is an intermediate-level ensemble course focusing on mariachi literature. Students will rehearse and perform arrangements for mariachi. This course emphasizes authentic mariachi style, excellence in personal and group performance, repertoire building, sight-reading music, playing and transposing songs by ear, memorization techniques, working and performing in a group, stage presence and other aspects of performance, and overall professionalism.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Ability to play a mariachi or related instrument. Enrollment subject to audition.

Repeatability
(Satisfies the requirement of an associate degree music course. May be taken up to six times for credit.)

Student Learning Outcomes

- Sight read, rehearse, and publicly perform repertoire from the mariachi literature in various styles.
- Participate in the art of performing in an ensemble by demonstrating correct intonation, phrasing, balance, dynamics, and tone quality.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	36.0	**Laboratory**	0.0
Total	48.0	**Total**	24.0

MUSI 41V

Rehearsal and Performance

1.5 Units

This course provides supervised participation in various aspects of music rehearsal and performance.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Placement by audition.

Student Learning Outcomes

- Improve in the ability to rehearse and perform as an individual and/or ensemble.
- Demonstrate acquired musical skills through final public performance.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	18.0	**Laboratory**	0.0
Total	30.0	**Total**	24.0

MUSI 41W

Rehearsal and Performance

2.0 Units

This course provides supervised participation in various aspects of music rehearsal and performance.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Placement by audition.

Student Learning Outcomes
- Improve in the ability to rehearse and perform as an individual and/or ensemble.
- Demonstrate acquired musical skills through final public performance.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	36.0	**Laboratory**	0.0
Total	48.0	**Total**	24.0

MUSI 42

Concert Band

2.0 Units

This course includes rehearsal, sight-reading, performance, and recording of wind ensemble literature in a variety of styles and time periods. Attendance at all scheduled performances is required.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Placement by audition based on the ability to play a band instrument and read music at sight.

Repeatability
(Satisfies the requirement of an associate degree music course. May be taken up to six times for credit.)

Student Learning Outcomes
- Sight read, rehearse, and publicly perform selected repertoire from the Concert Band/Wind Ensemble literature found in various time periods up to the present.
- Participate in the art of performing in an ensemble by demonstrating correct intonation, phrasing, balance, dynamics, and tone quality on his or her instrument.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	36.0	**Laboratory**	0.0
Total	48.0	**Total**	24.0

MUSI 44A

Composition and Arranging - Level I

1.5 Units

The art and technique of writing and arranging music. Solving basic compositional problems, writing melodies and simple harmonies, inventing direct manipulation, variations, and motivic developments of different types of pitch sets, creating logical patterns of rhythms, arranging material for different instrumentation, extending and condensing material, creation of original compositions, reading/sight singing of student exercises and original compositions, and analysis of existing published music are all involved.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly MUSI D064A.)

Prerequisite(s)
MUSI 3A or MUSI 3B

Student Learning Outcomes
- Compose solutions to short compositional problems such that a reviewer will have difficulty distinguishing the student's solution from a model solution.
- Analyze pieces for any and all errors in performance of student original composition or arrangement.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 45

Jazz Combos

2.0 Units

Students in this course will prepare and perform music for a jazz combo. Ensemble and improvisational performance are emphasized in addition to playing in all jazz rhythmic styles. Student compositions and arrangements are encouraged. Participation at all scheduled performances is required.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Placement by audition based on the ability to play an instrument and read music.

Repeatability
(Satisfies the requirement of an associate degree music course. May be taken up to six times for credit.)

Student Learning Outcomes
- Perform with other students in their combo by demonstrating learned melodies, harmonies, and improvised solos on final performance.
- Collaborate with other students in their combo by demonstrating agreed style, tempo, articulations, and creative arrangement on final performance.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	36.0	**Laboratory**	0.0
Total	48.0	**Total**	24.0

MUSI 48A
Jazz Improvisation I

1.5 Units

Development of improvisational skill in the jazz idiom. Analysis of scales, chords, and forms as applicable to improvisational performance of basic standard jazz songs. Ear training and transcribing solos is included. Participation in final recital is required.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Ability to play an instrument and read music.

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Class Applied Performance - Jazz and Non-Western Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Class Applied Performance - Jazz and Non-Western

Student Learning Outcomes
- Demonstrate accurate performance of given jazz melodies while observing correct form, introductions, and tag endings.
- Demonstrate knowledge of basic scales/modes, chords, patterns and sequences through performance.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 48B
Jazz Improvisation II

1.5 Units

Further development of improvisational skill in the jazz idiom. Higher level of difficulty in analysis of scales, chords, and forms applicable to improvisational performance of intermediate level jazz songs. Ear training and transcribing solos included. Participation in a final recital is required.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly MUSI D068B.)

Prerequisite(s)
MUSI 48A or by instructor consent

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Class Applied Performance - Jazz and Non-Western Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Class Applied Performance - Jazz and Non-Western

Student Learning Outcomes
- Demonstrate accurate performances of Bebop and Afro-Cuban while observing correct forms, introductions, and endings to given songs.
- Demonstrate knowledge of altered and diminished scales using patterns and sequences through performance.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 48C
Jazz Improvisation III

1.5 Units

Development of improvisational skill in the jazz idiom. More advanced analysis of scales, chords, and forms applicable to improvisational performance of advanced jazz songs. Ear training and transcribing solos is included. Participation in final recital is required.

Course Information

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly MUSI D068C.)

Prerequisite(s)
MUSI 48B or by instructor consent

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Class Applied Performance - Jazz and Non-Western Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Class Applied Performance - Jazz and Non-Western

Student Learning Outcomes
- Demonstrate ability to perform Hard Bop and Funk styles while using advanced altered and diminished scales for improvisation.
- Demonstrate through performance, the ability to play advanced alterations of all four chord types by playing more advanced patterns and sequences.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 50A

Conducting I

1.5 Units

This course is an introduction to the art and craft of conducting. Students explore the use of batons as well as rehearsal and performance techniques. Students work with vocal and instrumental ensembles. This course is open to students interested in pursuing studies in conducting and conducting professionally. Students should be experienced, ensemble performers.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
MUSI 20 or equivalent

Student Learning Outcomes
- Describe the role of the conductor and demonstrate proper posture and baton technique
- Conduct basic beat patterns and master conducting (right) hand technique

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 50B

Conducting II

1.5 Units

This course continues studying the art and craft of conducting. Students learn to master expressive gestures and independence of hands, working with vocal and instrumental ensembles. This course is open to students interested in pursuing studies in conducting and conducting professionally. Students should be experienced, ensemble performers.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
MUSI 50A or equivalent

Student Learning Outcomes
- Conduct complex beat patterns and mixed meters
- Demonstrate expressive use of both hands as related to the musical ideas in the score
- Conduct in a variety of articulation styles, including legato, staccato, marcato and tenuto

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 50C

Conducting III

1.5 Units

This course continues the study of the art and craft of conducting, with emphasis on score study, interpretation, and performance preparation. Students work, extensively, with vocal and instrumental ensembles. This course is open to students interested in pursuing studies in conducting and conducting professionally. Students should be experienced, ensemble performers.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
MUSI 50B or equivalent

Student Learning Outcomes
- Demonstrate understanding of the various instrument transpositions as related to the music score
- Demonstrate ability to analyze and prepare music score for rehearsal and performance
- Organize and prepare rehearsals and manage music performances, including logistics

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 51

Introduction to Electronic Music

3.0 Units

This course is an introduction to the use of keyboard controllers, hardware and software synthesizers and instruments, and sequencing and audio software to create music projects in a variety of styles. The course also includes basic studio techniques; an introduction to Musical Instrument Digital Interface (MIDI); an introduction to basic historical developments in electronic music; and the creation of music/audio projects using basic electronic music hardware and software. Some prior music experience is recommended but not required.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- The successful student will operate basic keyboard synthesizers, drum machines, simple mixers, and entry-level music software.
- The successful student will create musical projects in a variety of styles using synthesizers, drum machines, and MIDI sequencing software.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

MUSI 53
Music Business

3.0 Units

Introduction to the business aspects of music. Examines the areas of copyright laws, publishing, concert promotion, club and record contracts, agents, managers, unions, and the various careers to be found in music. Emphasis on the commercial music field including music for film, television, sound recording, the record industry, and Internet applications.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- The successful student will demonstrate comprehension of the concepts of copyright law, contracts, agents/managers, music publishing, performance rights organizations, record deals, concert promotion, artist promotion kits, trademarks on band names and accessories, and careers in music.
- The successful student will complete a project demonstrating comprehension of one of the music business areas listed in SLO 1.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

MUSI 58A
Beginning African and African-Influenced Percussion and Rhythms

1.5 Units

An introduction to selected African, Afro-Caribbean and Latin American rhythms applied to hand drums, stick drums and percussion instruments. Each quarter focuses on one particular culture area and its traditional and popular music styles. No musical experience required. Instruments for in-class use provided.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Class Applied Performance - Jazz and Non-Western Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Class Applied Performance - Jazz and Non-Western

Student Learning Outcomes
- Successful students will be able to identify and demonstrate selected rhythms including bell and/or clave guide rhythm patterns and supporting drum parts at a beginning level.
- Successful students will be able to identify traditional African sources and performing contexts of contemporary Caribbean and Latin American music.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 58B
Intermediate African and African-Influenced Percussion and Rhythms

1.5 Units

Intermediate-level skill development of selected African, Afro-Caribbean and Latin American rhythms applied to hand drums, stick drums and other percussion instruments. Each quarter focuses on one particular culture area and its traditional and popular music styles. Instruments for in-class use provided.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
MUSI 58A or equivalent level

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Class Applied Performance - Jazz and Non-Western Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
DA - Class Applied Performance - Jazz and Non-Western

Student Learning Outcomes
- Demonstrate a variety of intermediate drumming techniques including clear articulation and distinction of various sounds of both hand and stick drumming technique and accurate timekeeping.
- Recall and demonstrate, without prompt, selected rhythms, including responsorial supporting drum, bell, and/or clave parts and associated rhythm patterns.
- Demonstrate elementary rhythmic independence while performing drum and percussion parts, such as vocalizing or playing rhythms while keeping pulse and vice-versa.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	2.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours

Course Out-of-Class Hours

Lecture	12.0	**Lecture**	24.0
Laboratory	24.0	**Laboratory**	0.0
Total	36.0	**Total**	24.0

MUSI 77

Special Projects in Music

1.0 Units

Individual advanced projects in music.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Students will demonstrate advanced skills on a special project in music.
- Students will develop a plan for meeting special project goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

MUSI 77X

Special Projects in Music

2.0 Units

Individual advanced projects in music.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Students will demonstrate advanced skills on a special project in music.
- Students will develop a plan for meeting special project goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

MUSI 77Y

Special Projects in Music

3.0 Units

Individual advanced projects in music.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Students will demonstrate advanced skills on a special project in music.
- Students will develop a plan for meeting special project goals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

NAIS 11

Native American Contemporary Society

4.0 Units

This course is an exploration of contemporary Native American perspectives about economic, political, legal, and cultural changes impacting tribal cultures in the 20th and 21st centuries. Students will analyze issues regarding identity, the role of the federal government, economic development, health, cultural loss and preservation, reservation vs. urban communities, and sovereignty and self-determination.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ICS D041.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Recognize and evaluate institutional inequality and practices of social justice in the context of Native American/Alaskan Native Communities.
- Demonstrate an awareness of historical and contemporary Native American/Alaskan Native social movements and their relationship to the greater US society.
- Describe the diversity of contemporary identities that are found within Native American/Alaskan Native Communities.
- Research local organizations that support the goals of Native American communities, and engage in community activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

NAIS 12

Ethnic Studies and the Historical Experiences of Native Americans

4.0 Units

This ethnic studies course covers Native American history from an indigenous perspective, from pre-Columbian contact to the present. Students will examine Native American societies with attention to the impact of contact upon indigenous cultures and societies in the United States, analyzing settler colonialism and structural discrimination, including an examination of Native responses to contact and colonization. Students will analyze Native American continuity and change in cultures as a result of historical and contemporary social conditions and the continued relationship with the federal government. Emphasis is placed upon the struggles for legal, political, cultural, and religious sovereignty.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Analyze and articulate concepts such as race/ethnicity, racialization, ethnocentrism, eurocentrism, white supremacy, settler colonialism, decolonization, self-determination, sovereignty, and anti-racism within the context of Native American Studies.
- Apply theory and knowledge produced by Native American communities to describe critical events, histories, cultures, contributions, lived-experiences, and social struggles, emphasizing the effects on agency and group-affirmation and identity.
- Analyze critically the intersection of race and racism as they relate to class, gender, sexuality, religion, spirituality, tribal citizenship, and sovereignty in Native American communities.
- Review critically how struggle, resistance, racial and social justice, solidarity, and liberation, as experienced by Native Americans, are relevant to current and structural issues, including tribal sovereignty, repatriation, religious freedom, and identity.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

NAIS 13

Survey of Native American Arts

4.0 Units

This is a survey of pre-contact, traditional, and contemporary styles and forms of Native American arts, viewed from within the context of tribal culture and tradition. Consideration is given to the influence and impact of introduced methods, techniques, and resources on the production of art and how it led to the development of contemporary Native American artistic expression.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ICS D045.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Identify and evaluate the principals, qualities, characteristics, politically-based and identity-based themes found within the arts of Native American and Alaskan Natives.
- Identify the concepts of tradition and cultural continuity and assess their impact on the sense of aesthetics within Native American/Alaskan Native Arts.
- Think critically about the effects of race/ethnicity, racialization, ethnocentrism, and colonialism on Native American lived experiences, social struggles, and resistance as they pertain to the impact on demonstration of identity and sovereignty through art.
- Research local organizations that support the goals of Native American communities, and engage in community activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

NAIS 14

Native American Religious Traditions

4.0 Units

This is a study of Native American religious and spiritual beliefs and practices, including an examination of spirit beings, prophecies, and renewals of the Indian way through their land-based religions, symbols, and ceremonies. Tribal religions are reviewed, including a focus on traditional beliefs and practices, religious movements, the effect of foreign influences and philosophies, and the continual struggle for religious freedom. Change and continuity of American Indian values and tribalism are examined as reflected through present-day spiritual issues in Indian America.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ICS D044.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Discuss how and why beliefs, values, assumptions, communication and spiritual practices interact to shape ways of being and knowing within the American Indian/Alaskan native experience.
- Identify and evaluate the elements of religious syncretism and its respective roles within American Indian/Alaskan native experience.
- Think critically about the effects of race/ethnicity, racialization, ethnocentrism, and colonialism on Native American lived experiences, struggles for religious freedom, and resistance and accommodation as they pertain to the impact on historic and current concepts of identity and sovereignty.
- Research local organizations that support the goals of Native American communities, and engage in community activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)

12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

NAIS 15
Native American Literature

4.0 Units

This course is a study of historical and contemporary literature written by Native Americans. Students will analyze fiction and non-fiction through oral traditions, stories, poetry, plays, and memoirs. The course will also examine the historical, social, and political contexts of Native American literature, with a focus on issues of Native identity, culture, and worldview.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ICS D046.)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate their abilities to analyze Native American traditional and contemporary forms of literature within social, historical, and tribal cultural contexts.
- Compare and contrast the literature of Native American cultural traditions, including American Indian adaptation and accommodation to Euro-centric literature forms.
- Think critically about the effects of race/ethnicity, racialization, ethnocentrism, and colonialism on Native American lived experiences, struggles for religious freedom, and resistance and accommodation as they pertain to the impact on historic and current concepts of identity and sovereignty expressed in Native American literature.
- Research local organizations that support the goals of Native American communities, and engage in community activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

NAIS 16
California Native Americans

4.0 Units

This course examines the lives and experiences of California Native Americans - past and present. Students will survey California Natives' pre-historic pasts, diverse cultures, and histories from a Native perspective. The course includes a study of oral and cultural traditions, up to and inclusive of contemporary American Indian issues, along with a special focus on selected California Native American tribal communities.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly ICS D042.)

Advisory(ies)

EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Actively engage in the prehistorical and historical complex California Native American multicultural past.
- Assess the diversity, cultures and cultural changes of California Native American peoples over time.
- Think critically about the effects of race/ethnicity, racialization, ethnocentrism, and colonialism on California Native American lived experiences, social struggles, and resistance as they pertain to current issues of identity and sovereignty.
- Research local organizations that support the goals of Native American communities, and engage in community activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

NAIS 31
Ethnic Studies: Native Hawaiian and Pacific Islander Experiences

4.0 Units

This Ethnic Studies course examines Native Hawaiian and Pacific Islander experiences in the context of Native American and Indigenous Studies. Students will learn core concepts in the study of indigeneity, colonialism, and indigenous sovereignty. Special attention will be paid to the intersections of race and racism as it relates to class, gender, sexuality, religion, spirituality, national origin, and sovereignty. The class has a focus on Hawai'i, Guam, American Sāmoa, and the Marshall Islands which are presently under U.S. colonial rule. Additionally, students will engage with the struggles and solidarity movements of Pacific Islanders in their homelands and in the diaspora. The course broadly covers the regions of Micronesia, Melanesia, and Polynesia; it contextualizes the histories and experiences of the Pacific in conversation with Native American, Latinx, Asian American, and African American scholarship, experiences, and resistance.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Apply theory and knowledge produced by Native American and Pacific Islander communities to describe the critical events, histories, cultures, intellectual traditions, contributions, lived-experiences and social struggles of those groups with a particular emphasis on agency and group-affirmation.
- Analyze critically the intersection of race and racism as they relate to class, gender, sexuality, religion, spirituality, national origin, immigration status, and sovereignty in Native American and Pacific Islander communities.
- Analyze and articulate concepts such as race and racism, racialization, ethnicity, equity, ethno-centrism, eurocentrism, white supremacy, self-determination, liberation, decolonization, sovereignty, imperialism, settler colonialism, and anti-racism as analyzed in Native American and Pacific Island Studies.
- Review critically how struggle, resistance, racial and social justice, solidarity, and liberation, as experienced and enacted by Native Americans, African Americans, Asian Americans and Pacific Islanders are relevant to current and structural issues such as communal, national, international, and transnational politics.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

NURS 50
Career Opportunities in Nursing

2.0 Units

This course provides an introduction to professional nursing with emphasis on profession nursing practice and education, and is required for entry into the De Anza College Registered Nursing Program. It is not required for LVN to RN Transition Program or refresher programs for registered nurses.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Demonstrate a basic understanding of nursing, nursing education programs, professional/legal/ethical issues common to nursing, and to the health care delivery systems in the US.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

NURS 77
Special Projects in Nursing

0.5 Units

Individual special theory projects in nursing as determined in consultation with the director.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Open to students registered in the Nursing program at De Anza College.

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Achieve a score of 80% or better on sample NCLEX examinations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

NURS 77X
Special Projects in Nursing

1.0 Units

Individual special theory projects in nursing as determined in consultation with the director.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Open to students registered in the Nursing program at De Anza College.

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Achieve a score of 80% or better on sample NCLEX examinations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

NURS 77Y
Special Projects in Nursing

2.0 Units

Individual special theory projects in nursing as determined in consultation with the director.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Open to students registered in the Nursing program at De Anza College.

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Achieve a score of 80% or better on sample NCLEX examinations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)

12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

NURS 77Z

Special Projects in Nursing

3.0 Units

Individual special theory projects in nursing as determined in consultation with the director.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Open to students registered in the Nursing program at De Anza College.

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Achieve a score of 80% or better on sample NCLEX examinations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

NURS 91A

Health Assessment

2.0 Units

This introductory course focuses on health assessment as an integral part of the nursing process. In addition, students will receive an introduction and additional orientation to the De Anza College Nursing Program. The emphasis is on developing knowledge and skills to conduct basic and comprehensive health assessments and learning to use assessment data to plan, implement, and evaluate nursing care. Both NURS 91A and NURS 91AL must be taken and passed concurrently within the same quarter. Failure of either component requires both courses to be retaken.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Admission into the De Anza College Nursing Program.

Corequisite(s)
NURS 91AL

Student Learning Outcomes
- Demonstrate a basic understanding of the patient health assessment process.
- Utilize cultural assessment as part of a holistic approach to assessment of patient healthcare needs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

NURS 91AL

Health Assessment Lab

2.5 Units

The focus of this course is the application of concepts learned in the theory class. Students will practice conducting health assessments, analyzing trends of data, and planning care based on common assessment findings. Therapeutic communication and interviewing skills will be developed thus increasing comfort in conversing with patients as well as improving the efficacy of data collection.Both NURS 91AL and NURS 91A must be taken and passed concurrently within the same quarter. Failure of either component requires both courses to be retaken.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Admission into the De Anza College Nursing Program.

Corequisite(s)
NURS 91A

Student Learning Outcomes
- Demonstrate a basic understanding of patient health assessment process.
- Integrate health assessment data in the nursing process of planning care.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	7.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	90.0	**Laboratory**	0.0
Total	90.0	**Total**	0.0

NURS 91B

Fundamentals of Nursing/Sub-Acute

2.0 Units

This course explores fundamental nursing concepts and common chronic health challenges affecting aging adults. Students will begin to integrate the findings of health assessment with their knowledge of pathophysiology, pharmacology, and fundamentals of nursing in order to develop knowledge and skills required for the management of nursing care of patients requiring rehabilitative and/or long-term nursing care. Both NURS 91B and NURS 91BL must be taken and passed concurrently within the same quarter. Failure of either component requires both courses to be retaken.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
NURS 91A and NURS 91AL

Corequisite(s)
NURS 91BL

Student Learning Outcomes
- Incorporate patient/family teaching into the plan of care for a non-acute older adult patient.
- Identify salient assessment data for non-acute adult patients experiencing chronic health problems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

NURS 91BL
Fundamentals of Nursing/Sub-Acute Clinical

2.5 Units

The focus of this course is on the application of concepts learned in the theory class for the management of nursing care for clients requiring rehabilitative and/or long-term nursing care. Students will use the nursing process, research, problem-solving, and clinical judgment skills to facilitate culturally congruent care for patients in the sub-acute clinical setting. The learning experience will be enhanced with clinical simulation and observation activities. Both NURS 91BL and NURS 091B must be taken and passed concurrently within the same quarter. Failure of either component requires both courses to be retaken.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
NURS 91A and NURS 91AL

Corequisite(s)
NURS 91B

Student Learning Outcomes
- Provide safe and patient-centered nursing care for patients in a non-acute care setting following college regulations and facility protocols.
- Develop a patient-specific plan of care for the non-acute older adult patient using the nursing process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	7.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	90.0	**Laboratory**	0.0
Total	90.0	**Total**	0.0

NURS 91P
Pharmacology I

1.5 Units

This is an introductory course that focuses on the basic pharmacological principles and application of pharmacologic principles to chronically ill adult patients. Concepts of pathophysiology will serve as a basis of building an understanding of pharmacokinetics. Legal and ethical issues and safety principles will be stressed as an integral part of nursing practice. The nurses' scope of practice, critical thinking and problem solving in medication administration processes will be examined.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly NURS D081P.)

Prerequisite(s)
Admission into the De Anza College Nursing Program.

Student Learning Outcomes
- Use the nursing process to identify interventions for safe medication management.
- Identify physiological processes affecting the efficacy of medications.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.5	3.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	18.0	**Lecture**	36.0
Laboratory	0.0	**Laboratory**	0.0
Total	18.0	**Total**	36.0

NURS 92
Medical-Surgical Nursing

4.0 Units

This course builds on prior learning experiences to developing knowledge and skills used in management of nursing care of patients experiencing chronic and acute health care stressors. It integrates the knowledge of pathophysiology, diagnostics, pharmacology, communication concepts and therapeutic interventions in order to facilitate culturally congruent nursing care for patients with fluid and electrolyte imbalances, pre and post-surgical acute care needs, as well as a variety of other disease processes. Students will become increasingly competent in the application of nursing process, research, problem-solving and use of clinical judgment within the framework of safe patient-centered, evidence-based care. Both NURS 92 and NURS 92L must be taken and passed concurrently within the same quarter (failure of either component requires both courses to be retaken).

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly NURS D082.)

Prerequisite(s)
NURS 91B, D91BL, and D091P

Corequisite(s)
NURS 92L

Student Learning Outcomes
- Use the nursing process to identify priorities and goals of patients experiencing fluid and electrolyte imbalances.
- Use the nursing process to identify priorities and goals for perioperative patients.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

NURS 92L
Medical-Surgical Nursing Clinical

4.5 Units

The focus of this course is on the application of concepts learned in the theory class to the management of nursing care of clients experiencing chronic and acute health stressors. Students will use nursing process, research, problem-solving and critical thinking skills to facilitate culturally congruent care in acute medical-surgical care settings within the framework of safe patient-centered, evidence-based care. The students' learning experience will be enhanced with clinical simulations and observation activities. Both NURS 92L and NURS 92 must be taken and passed concurrently within the same quarter (failure of either component requires both courses to be retaken).

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly NURS D082L.)

Prerequisite(s)
NURS 91B, D91BL, and D091P

Corequisite(s)
NURS 92

Student Learning Outcomes
- Demonstrate safe and competent care of one patient in the acute care setting using the nursing process.
- Demonstrate the safe administration of parenteral medications.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	14.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	168.0	**Laboratory**	0.0
Total	168.0	**Total**	0.0

NURS 92P
Pharmacology II

1.5 Units

This course focuses on the application of pharmacological principles to chronic and/or medical-surgical adult patients. Concepts of pathophysiology will serve as a basis for building an understanding of pharmacokinetics. Legal and ethical issues and safety principles will be stressed as an integral part of nursing practice. The nurses' scope of practice, critical thinking and problem-solving in the medication administration process will be examined.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly NURS D082P.)

Prerequisite(s)
NURS 91P

Student Learning Outcomes
- Apply concepts of drug/drug interactions, drug/food interactions and drug focused patient teaching to pharmacological agents affecting the central and peripheral nervous systems, endocrine system and blood pressures regulation.
- Demonstrate correct calculations of doses of medications for medical/ surgical adult patients.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.5	3.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	18.0	**Lecture**	36.0
Laboratory	0.0	**Laboratory**	0.0
Total	18.0	**Total**	36.0

NURS 93
Reproductive Health Nursing

2.0 Units

This course builds upon prior learning experiences to develop knowledge and skills used in management of nursing care of patients during pregnancy, birth, and postpartum, as well as general management of reproductive health. The course integrates the knowledge of pathophysiology, diagnostics, pharmacology, communication concepts, and therapeutic interventions in order to facilitate culturally congruent nursing care for patients seeking reproductive health services. Students will become increasingly competent in the application of nursing process, research, problem-solving and use of clinical judgment within the framework of safe patient-centered, evidence-based care. Both NURS 93 and NURS 93L must be taken and passed concurrently within the same quarter (failure of either component requires both courses to be retaken).

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly NURS D083.)

Prerequisite(s)
NURS 92, D092L, and D092P

Corequisite(s)
NURS 93L

Student Learning Outcomes
- Apply the theoretical knowledge of pregnancy, birth physiology and perinatal care to specific patient-focused care situations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

NURS 93A
Pediatric Nursing

2.0 Units

This course focuses on an introduction to the nursing care of children. The framework of patient-centered care will be used as a basis to study the health/illness continuum as it applies to children and their families. The nursing process will be integrated throughout the course as a primary tool for delivering nursing care to children. Critical thinking and problem-solving skills will be employed through group exercises and independent study with consideration for the registered nurse's specific scope of practice. Both NURS 93A and NURS 93AL must be taken and passed concurrently within the same quarter (failure of either component requires both courses to be retaken).

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly NURS D083A.)

Prerequisite(s)
NURS 92, D092L, and D092P

Corequisite(s)
NURS 93AL

Student Learning Outcomes

- Compare the physiologic, cognitive, and psychosocial stages of the pediatric patient: infant, toddler, preschooler, school age and adolescent.
- Differentiate the common etiologies of morbidity and mortality in children.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

NURS 93AL
Pediatric Nursing Clinical

2.0 Units

This course focuses on the application of concepts learned in the theory class, to the management of nursing care of children and their families. Students will use nursing processes, research, problem-solving and critical thinking skills to facilitate culturally congruent care in acute care settings within the framework of safe patient-centered/ family-centered, evidence-based care. Learning experiences will be enhanced with clinical simulation and observation activities. Both NURS 93AL and NURS 93A must be taken and passed concurrently within the same quarter (failure of either component requires both courses to be retaken).

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly NURS D83AL.)

Prerequisite(s)
NURS 92, D092L, and D092P

Corequisite(s)
NURS 93A

Student Learning Outcomes
- Use the nursing process to provide comprehensive care for pediatric patients and their families in an acute care setting.
- Formulate a plan of care for a pediatric patient taking into consideration growth and developmental abilities and tasks.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	78.0	**Laboratory**	0.0
Total	78.0	**Total**	0.0

NURS 93L
Reproductive Health Nursing Clinical

2.0 Units

This course focuses on the application of concepts learned in the theory class to the management of nursing care of clients seeking reproductive health services. Students will use nursing processes, research, problem-solving and critical thinking skills to facilitate culturally congruent care in reproductive care settings within the framework of safe patient-centered, evidence-based care. The learning experience will be enhanced with clinical simulations and observation activities. Both NURS 93L and NURS 93 must be taken and passed concurrently within the same quarter (failure of either component requires both courses to be retaken).

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly NURS D083L.)

Prerequisite(s)
NURS 92, D092L, and D092P

Corequisite(s)
NURS 93

Student Learning Outcomes
- Identify and discuss QSEN competencies in performance of nursing care by self and others for the perinatal patient.
- Demonstrate effective use of ISBAR tool to enhance care team communication and collaboration in the care of the perinatal patient.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	78.0	**Laboratory**	0.0
Total	78.0	**Total**	0.0

NURS 93PL
Pharmacology III Laboratory

0.5 Units

This laboratory course focuses on the skill mastery of intravenous methodologies for the administration of medications. Advanced vascular access, blood administration, and parenteral administration will be examined in relation to legal, ethical and safety issues in nursing practice. The nurses' scope of practice, critical thinking and problem solving will be examined.

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly NURS D83PL.)

Prerequisite(s)
NURS 92P

Student Learning Outcomes
- Insert, secure and maintain six (6) intravenous catheters successfully following universal precautions and nursing standards of care.
- Maintain an injury-free environment during intravenous insertion and blood-draw procedures following OSHA protocols.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0

Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

NURS 94
Gerontology Nursing

2.0 Units

This course builds on prior learning experiences to develop knowledge and skills used in the management of nursing care of older adult patients experiencing complex health challenges and chronic changes in health status. The course integrates the knowledge of pathophysiology, diagnostics, pharmacology, communication concepts and therapeutic interventions in order to facilitate culturally congruent nursing care for patients with acute and chronic variations in health patterns. Students will become increasingly competent in the application of nursing process, research, problem-solving and the use of clinical judgment within the framework of safe patient-centered, evidence-based care. Both NURS 94 and NURS 94L must be taken and passed concurrently within the same quarter (failure of either component requires both courses to be retaken).

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly NURS D084.)

Prerequisite(s)
NURS 93, D093A, D93AL, 93L, and D93PL

Corequisite(s)
NURS 94L

Student Learning Outcomes
- Apply principles of Advance Care Planning to care of an older adult.
- Analyze and apply principles of normal aging in designing a plan of care for an older adult experiencing a chronic health problem using the nursing process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

NURS 94A
Psychiatric/Mental Health Nursing

2.0 Units

This course builds on prior learning experiences to develop knowledge and skills used in the management of nursing care of patients experiencing psychiatric and mental health challenges. The course integrates the knowledge of pathophysiology, diagnostics, pharmacology, communication concepts, and therapeutic interventions in order to facilitate culturally congruent nursing care for patients with complex variations in psychiatric health patterns. Students will become increasingly competent in the application of nursing processes, research, problem-solving and the use of clinical judgment within the framework of safe, patient-centered, evidence-based care. Both NURS 94A and NURS 94AL must be taken and passed concurrently within the same quarter (failure of either component requires both courses to be retaken).

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly NURS D085A.)

Prerequisite(s)
NURS 93, D093A, D93AL, 93L, and D93PL

Corequisite(s)
NURS 94AL

Student Learning Outcomes
- Apply own cultural background to concepts of mental health and mental illness.
- Design a critical thinking component in relation to the nursing care of a patient with a given psychiatric diagnosis.
- Demonstrate knowledge of Alcoholics Anonymous meetings and identify professional implications for the nurse.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

NURS 94AL
Psychiatric/Mental Health Nursing Clinical

2.0 Units

The focus of this course is on the application of concepts learned in the theory class to the management of nursing care of clients experiencing psychiatric and mental health challenges. Students will use nursing processes, research, problem-solving and critical thinking skills to facilitate culturally congruent care in acute care settings within the framework of safe patient-centered, evidence-based care. Learning experiences will be enhanced with observation activities. Both NURS 94AL and NURS 94A must be taken and passed concurrently within the same quarter (failure of either component requires both courses to be retaken).

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly NURS D85AL.)

Prerequisite(s)
NURS 93, D093A, D93AL, 93L, and D93PL

Corequisite(s)
NURS 94A

Student Learning Outcomes
- Assess, plan, implement and evaluate a plan of care for patient with a psychiatric diagnosis.
- Identify concepts that link learning in the clinical setting to knowledge gained from the course textbook.
- Analyze own personal responses to selected clinical observations and experiences.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	78.0	**Laboratory**	0.0
Total	78.0	**Total**	0.0

NURS 94L
Gerontology Nursing Clinical

2.0 Units

The focus of this course is on the application of concepts learned in the theory class for the management of nursing care of older adult patients experiencing complex health challenges

and chronic changes in health status. Students will use nursing processes, research, problem-solving and critical thinking skills to facilitate culturally congruent care in acute care settings within the framework of safe patient-centered, evidence-based care. Learning experiences will be enhanced with clinical simulation and observation activities. Both NURS 94L and NURS 94 must be taken and passed concurrently within the same quarter (failure of either component requires both courses to be retaken).

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly NURS D084L.)

Prerequisite(s)
NURS 93, D093A, D93AL, 93L, and D93PL

Corequisite(s)
NURS 94

Student Learning Outcomes

- Formulate a plan of care for an older adult incorporating age-related changes and developmental tasks.
- Analyze and apply salient trends of comprehensive assessment data during the clinical reasoning process for an adult patient experiencing an acute or chronic problem.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	78.0	**Laboratory**	0.0
Total	78.0	**Total**	0.0

NURS 95
Complex Health Challenges

4.0 Units

This course builds on prior learning experiences to develop knowledge and skills used in the management of nursing care of patients experiencing complex health challenges and rapid changes in health status. It also integrates the knowledge of pathophysiology, diagnostics, pharmacology, communication concepts, and therapeutic interventions in order to facilitate culturally congruent nursing care for patients with complex variations in health patterns. Students will become increasingly competent in the application of nursing processes, research, problem-solving and use of clinical judgment. Both NURS 95 and NURS 95L must be taken and passed concurrently within the same quarter (failure of either component requires both courses to be retaken).

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly NURS D085.)

Prerequisite(s)
NURS 94, D094A, D94AL, and D094L

Corequisite(s)
NURS 95L

Student Learning Outcomes

- Identify the goals and priorities in the management of care of unstable adult patients experiencing rapid changes in health status using the nursing process.
- Identify the goals and priorities of care for adult patients experiencing multisystem failure using the nursing process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

NURS 95L
Complex Health Challenges Clinical

4.5 Units

The focus of this course is on the application of concepts learned in the theory class to the management of nursing care of critically ill clients experiencing complex health challenges and rapid changes in health status. Students will use nursing processes, research, problem-solving and critical thinking skills to facilitate culturally congruent care in acute care settings, within the framework of safe, patient-centered and evidence-based care. The learning experience will be enhanced with clinical simulation and observation activities. Both NURS 95L and NURS 95 must be taken and passed concurrently within the same quarter (failure of either component requires both courses to be retaken).

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly NURS D085L.)

Prerequisite(s)
NURS 94, D094A, D94AL, and D094L

Corequisite(s)
NURS 95

Student Learning Outcomes

- Manage the care of adult patients experiencing rapid changes in health status utilizing the nursing process.
- Provide safe and comprehensive care for two adult patients experiencing complex health challenges.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	14.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	168.0	**Laboratory**	0.0
Total	168.0	**Total**	0.0

NURS 96
Leadership and Management in Nursing

2.0 Units

This course is designed to prepare a Registered Nursing student to function as a graduate nurse. It builds on prior learning experiences in the management of nursing care of patients, culminating in readiness to function as a newly graduated registered nurse. The course integrates the knowledge of pathophysiology, diagnostics, pharmacology, communication concepts, and therapeutic interventions in order to facilitate culturally congruent nursing care. Students will become competent in the application of nursing processes, research, problem-solving and use of clinical judgment within the framework of safe patient-centered, evidence-based care. The focus of this course includes the managerial/leadership role, interdisciplinary practice, legal challenges of clinical practice, and trends within the nursing profession. Both NURS 96 and NURS 96L must be taken and passed concurrently within the same quarter (failure of either component requires both courses to be retaken).

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly NURS D086.)

Prerequisite(s)
NURS 95 and NURS 95L

Corequisite(s)
NURS 96L

Student Learning Outcomes
- Demonstrate beginning management skills in nursing.
- Demonstrate beginning leadership skills in nursing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

NURS 96A
Nursing Concept Integration

2.0 Units

Nursing Concept Integration is designed to provide a final educational experience and prepare the Registered Nursing student to demonstrate mastery of nursing knowledge, critical thinking, and preparedness to sit for the NCLEX-RN examination. The culmination of this course is the comprehensive computerized Exit exam. The focus of the course includes a review of important and essential concepts from the nursing program, identifying areas for in-depth study and individual focus, and refinement of test-taking strategies.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
NURS 95 and NURS 95L

Student Learning Outcomes
- Achieve a score of 75% or better on assigned Case Studies and Practice Tests.
- Achieve a conversion score of 75% or better on the HESI Exit Exam.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

NURS 96L
Leadership and Management in Nursing Clinical

4.5 Units

This prelicensure preceptorship course is designed to prepare the student to function as a graduate nurse. Students will provide safe patient-centered, evidence-based nursing care for patients under the guidance of a registered nurse working in the community and supervised by the faculty liaison. The student will work on the day, evening or night shift, depending on the schedule of the assigned preceptor. Settings assigned may include acute care, sub-acute/post-acute care, rehabilitation nursing, surgical centers, hospice care, or other community settings. Learning experiences may be enhanced with clinical simulations and observation activities; in simulated lab experiences, the student will assist with running the simulation activity. Both NURS 96L and NURS 96 must be taken and passed concurrently within the same quarter (failure of either component requires both courses to be retaken).

Course Information

Transferability
Transferable to CSU only

Formerly Statement
(Formerly NURS D086L.)

Prerequisite(s)
NURS 95 and NURS 95L

Corequisite(s)
NURS 96

Student Learning Outcomes
- Provide safe care for 75%-100% of a typical RN assignment.
- Manage a patient assignment safely and proficiently at the entry RN level using the nursing process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	14.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	168.0	**Laboratory**	0.0
Total	168.0	**Total**	0.0

NURS 201
Nursing Laboratory Skills for Fundamentals of Nursing/Sub-Acute

1.0 Units

This course provides the student with nursing skills practice in a campus laboratory setting.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly NURS D151.)

Prerequisite(s)
NURS 91AL and NURS 91BL (may be taken concurrently)

Student Learning Outcomes
- Demonstrate competent administration of nonparenteral medications, aseptic techniques, vital signs and verification of nasogastric tube placement.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

NURS 202

Nursing Laboratory Skills for Medical-Surgical Nursing

1.0 Units

This course provides the student with nursing skills practice in a campus laboratory setting.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly NURS D152.)

Prerequisite(s)
NURS 92L (may be taken concurrently)

Student Learning Outcomes
- Demonstrate competent administration of parenteral medications, sterile procedures, insertion of tubes such as nasogastric tube and chest tubes, and use of monitoring devices such as glucometers and telemetry.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

NURS 203
Nursing Laboratory Skills for Pediatric and Reproductive Health Nursing

1.0 Units

This course provides the student with nursing skills practice in a campus laboratory setting.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly NURS D153.)

Prerequisite(s)
NURS 93L or NURS 93AL (may be taken concurrently)

Student Learning Outcomes
- Demonstrate comprehensive assessments related to the pediatric and the perinatal patient.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

NURS 204
Nursing Laboratory Skills for Gerontology Nursing

0.5 Units

This course provides the student with nursing skills practice in a campus laboratory setting.

Course Information

Transferability
Not transferable

Formerly Statement
(Formerly NURS D154.)

Prerequisite(s)
NURS 94L (may be taken concurrently)

Student Learning Outcomes
- Demonstrate competency in the management of central intravenous catheter procedures,intravenous push medications, soft restraints and advanced sterile procedures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

NUTR 10
Contemporary Nutrition

4.0 Units

This is an introduction to nutrition, including the relationship of nutrients to health and physical fitness; physiological, cultural, psychological, and economic influences on food choices; and evaluation of current nutritional issues and controversies.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Evaluate a meal plan or diet for meeting the criteria of a " Healthy Diet".
- Evaluate nutrition claims about dietary supplement, food, or diet for accuracy and health enhancing potential.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0

Total	48.0	**Total**	96.0

NUTR 62
Nutrition and Athletic Performance

2.0 Units

This course focuses on the principles of sports nutrition as it relates to diet and nutrition concepts applicable to strength training, endurance activities, and weight control. The use of dietary supplements as popular ergogenic aids will also be discussed.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Evaluate a meal plan or diet for meeting the nutritional needs of the athlete.
- Evaluate a dietary supplement, with claims of enhancing athletic performance.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

NUTR 62G
Dieting (Sifting Fact from Fiction)

1.0 Units

An examination of the causes of obesity, an evaluation of popular weight control diets and an analysis of effective methods of weight loss.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
NUTR 10 or NUTR 62

Student Learning Outcomes
- Analyze weight loss diets, programs and supplements, determining effective strategies for healthy and lasting weight loss.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

P E 4XX
High-Intensity Strength Development for Athletes

1.0 Units

Designed for intercollegiate athletic teams. Specificity of rigorous total body strength development is emphasized. A single set, high intensity, three days per week program is utilized. The course is based upon the principles of high-intensity lifting to gain maximum strength throughout the various muscle systems. Concentric and eccentric failure of the muscles is emphasized using free weights and Hammer Strength apparatus.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Enrollment in intercollegiate athletics.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. May be taken up to six times for credit.)

Student Learning Outcomes
- Perform safe and appropriate use of resistance training machines and free weights.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

P E 32B
Women's Badminton Techniques

2.0 Units

This course is an introduction to the discipline of physical education through the sport of badminton. Emphasis is on developing the mental, physical, and tactical aspects of badminton play necessary to compete at the tournament and competitive level. It includes a global examination of the sport, rules, equipment, facilities, and etiquette. Basic physiology, nutrition, flexibility, strength and endurance techniques relative to badminton will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D32BX and D032B may be taken up to six times for credit.)

Student Learning Outcomes
- Perform defensive and offensive techniques, strategies, mental and physical skills of badminton with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 32BX

Women's Badminton Techniques

1.0 Units

This course is an introduction to the discipline of physical education through the sport of badminton. Emphasis is on developing the mental, physical, and tactical aspects of badminton play necessary to compete at the tournament and competitive level. It includes a global examination of the sport, rules, equipment, facilities, and etiquette. Basic physiology, nutrition, flexibility, strength and endurance techniques relative to badminton will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D32BX and D032B may be taken up to six times for credit.)

Student Learning Outcomes
- Perform defensive and offensive techniques, strategies, mental and physical skills of badminton with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

P E 32F

Defensive Baseball Techniques

2.0 Units

An introduction to the discipline of physical education through defensive baseball techniques. Includes a global and historical examination of the skills and techniques of advanced defensive baseball, team interaction, and baseball theory. Through the study of film and use of playbooks the student will learn the various segments of defensive play. Exercise physiology, nutrition, flexibility and strength concepts for conditioning will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. May be taken up to six times for credit.)

Student Learning Outcomes
- Perform defensive techniques, strategies, mental and physical skills of baseball with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health an wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 32G

Offensive Baseball Techniques

2.0 Units

An introduction to the discipline of physical education through offensive baseball techniques. Includes a global and historical examination of the skills and techniques of advanced offensive baseball and the changes that have influenced the modern game. Includes analysis of movement, team interaction, and baseball theory. Through the study of film, the student will learn the various segments of offensive play. Exercise physiology, nutrition, flexibility and strength concepts for conditioning will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. May be taken up to six times for credit.)

Student Learning Outcomes
- Perform defensive techniques, strategies, mental and physical skills of baseball with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 32H

Offensive Football Techniques

2.0 Units

This course is an introduction to the discipline of Kinesiology through offensive football techniques and includes a global and historical examination of the skills and techniques of advanced offensive football and the changes that have influenced the modern game. Through the study of film and the use of playbooks, the student will learn the various segments of offensive play. Exercise physiology, nutrition, flexibility, and strength concepts for conditioning will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability

Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D32HX and D032H may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the offensive strategies technical and mental physical skills of football with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 32HX
Offensive Football Techniques

1.0 Units

This course is an introduction to the discipline of Kinesiology through offensive football techniques and includes a global and historical examination of the skills and techniques of advanced offensive football and the changes that have influenced the modern game. Through the study of film and the use of playbooks, the student will learn the various segments of offensive play. Exercise physiology, nutrition, flexibility, and strength concepts for conditioning will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D32HX and D032H may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the offensive strategies technical and mental physical skills of football with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

P E 32I
Defensive Football Techniques

2.0 Units

This course is an introduction to the discipline of Kinesiology through defensive football techniques and includes a global and historical examination of the skills and techniques of advanced defensive football and the changes that have influenced the modern game. Through the study of film, use of playbooks, and teamwork the student will learn the various segments of defensive play. Exercise physiology, nutrition, flexibility, and strength concepts for conditioning will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D32IX and D032I may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the defensive strategies, techniques and mental physical skills of football with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 32IX
Defensive Football Techniques

1.0 Units

This course is an introduction to the discipline of Kinesiology through defensive football techniques and includes a global and historical examination of the skills and techniques of advanced defensive football and the changes that have influenced the modern game. Through the study of film, use of playbooks, and teamwork the student will learn the various segments of defensive play. Exercise physiology, nutrition, flexibility, and strength concepts for conditioning will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D32IX and D032I may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the defensive strategies, techniques and mental physical skills of football with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

P E 32J
Water Polo Techniques

2.0 Units

This course introduces the discipline of Kinesiology through the sport of water polo and includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Through the intercollegiate competitive experience, students will improve their individual water polo skills, increase their ability to employ advanced training, and increase their knowledge of exercise physiology, exercise nutrition, and kinesiological concepts. Competitive water polo experience is preferred at the high school, club, or collegiate levels.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D32JX and D032J may be taken up to six times for credit.)

Student Learning Outcomes
- Perform defensive techniques, strategies, mental and physical skills of water polo with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health an wellness.
- Perform offensive techniques, strategies, mental and physical skills of water polo with an increased degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 32JX
Water Polo Techniques

1.0 Units

This course introduces the discipline of Kinesiology through the sport of water polo and includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Through the intercollegiate competitive experience, students will improve their individual water polo skills, increase their ability to employ advanced training, and increase their knowledge of exercise physiology, exercise nutrition, and kinesiological concepts. Competitive water polo experience is preferred at the high school, club, or collegiate levels.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D32JX and D032J may be taken up to six times for credit.)

Student Learning Outcomes
- Perform defensive techniques, strategies, mental and physical skills of water polo with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health an wellness.
- Perform offensive techniques, strategies, mental and physical skills of water polo with an increased degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

P E 32K
Basketball Techniques

2.0 Units

This course introduces the discipline of Kinesiology through the sport of basketball and includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Students will learn the skills and techniques of advanced basketball play. The course includes an analysis of basketball movement, team interaction, and basketball theory. Students will apply basic exercise physiology, nutrition, and muscular strength and endurance concepts to improve their overall playing level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. May be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques and strategies, mental and physical skills of women's and men's basketball with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0

Total	72.0	**Total**	0.0

P E 32L
Volleyball Techniques

2.0 Units

This course is an introduction to the discipline of Kinesiology through the sport of volleyball and includes a global and historical examination of the sport at an advanced level, rules, equipment, facilities, etiquette, safety, and fundamentals of advanced volleyball. Students will apply basic exercise physiology, nutrition, flexibility, and strength concepts to improve their overall playing level. Students will learn the skills and techniques of advanced volleyball play along with an analysis of movement, team interaction, and volleyball theory.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D32LX and D032L may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of volleyball with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 32LX
Volleyball Techniques

1.0 Units

This course is an introduction to the discipline of Kinesiology through the sport of volleyball and includes a global and historical examination of the sport at an advanced level, rules, equipment, facilities, etiquette, safety, and fundamentals of advanced volleyball. Students will apply basic exercise physiology, nutrition, flexibility, and strength concepts to improve their overall playing level. Students will learn the skills and techniques of advanced volleyball play along with an analysis of movement, team interaction, and volleyball theory.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D32LX and D032L may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of volleyball with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

P E 32M
Soccer Techniques

2.0 Units

This course provides a further examination of the discipline of Kinesiology through the sport of soccer and includes rules, equipment, facilities, etiquette, and preparation for a competitive level of play. This course is designed to enhance the skills and strategies of intermediate or advanced soccer players. Strategies and tactics of the game will be discussed and performed while basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to soccer will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D32MX and D032M may be taken up to six times for credit.)

Student Learning Outcomes
- Perform offensive and defensive techniques and strategies through the use of mental and physical soccer skills with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health an wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 32MX
Soccer Techniques

1.0 Units

This course provides a further examination of the discipline of Kinesiology through the sport of soccer and includes rules, equipment, facilities, etiquette, and preparation for a competitive level of play. This course is designed to enhance the skills and strategies of intermediate or advanced soccer players. Strategies and tactics of the game will be discussed and performed while basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to soccer will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability

Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D32MX and D032M may be taken up to six times for credit.)

Student Learning Outcomes
- Perform offensive and defensive techniques and strategies through the use of mental and physical soccer skills with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health an wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

P E 32N
Track and Field Techniques

2.0 Units

An introduction to the discipline of Physical Education through the competitive sport of track and field. Includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Students will improve their individual track and field skills, increase their ability to employ advanced strategies and increase their knowledge of exercise physiology, exercise nutrition, kinesiological concepts underlying the development of force, power and body awareness.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. May be taken up to six times for credit.)

Student Learning Outcomes
- Perform various techniques, strategies, mental and physical skills of track and field with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health an wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 32P
Techniques of Swimming

2.0 Units

An introduction to the discipline of physical education through swimming and diving. Includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Through the competitive class experience, students will improve their individual swimming skills, increase their ability to employ advanced training and increase their knowledge of exercise physiology, exercise nutrition, kinesiological concepts underlying the development of force, power, and biomechanics.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. May be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of swimming and diving with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health an wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 32S
Women's Soccer Techniques

2.0 Units

This course provides a further examination of the discipline of Kinesiology through the sport of soccer. It is designed to enhance the skills and strategies of intermediate to advanced soccer players and includes rules, equipment, facilities, etiquette, and preparation for performance on a competitive level. Strategies and tactics of the game will be discussed and performed while basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to soccer will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D32SX and D032S may be taken up to six times for credit.)

Student Learning Outcomes
- Perform defensive techniques, strategies, mental and physical skills of soccer with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health an wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 32SX
Women's Soccer Techniques

1.0 Units

This course provides a further examination of the discipline of Kinesiology through the sport of soccer. It is designed to enhance the skills and strategies of intermediate to advanced soccer players and includes rules, equipment, facilities, etiquette, and preparation for performance on a competitive level. Strategies and tactics of the game will be discussed and performed while basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to soccer will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D32SX and D032S may be taken up to six times for credit.)

Student Learning Outcomes
- Perform defensive techniques, strategies, mental and physical skills of soccer with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health an wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

P E 32T
Tennis Techniques

2.0 Units

An introduction to the discipline of physical education through the study of tennis. Includes a brief historical examination of how the game of tennis has changed due to the influence of individual men, women, and children, of various countries, and their styles of play or strategies. Development of consistency, accuracy and ground strokes, serve, volley, footwork, lob and overhead skills within a competitive situation will be emphasized. Introducing elements of changing the dynamics of the game with spins and drop shots or by approaching the net; advanced singles and doubles strategies. Students will review and apply basic exercise physiology, nutrition, flexibility, and strength concepts to improve their physical condition in order to play tennis at a competitive level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. May be taken up to six times for credit.)

Student Learning Outcomes
- Perform defensive techniques, strategies, mental and physical skills of tennis with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 32W
Softball Techniques

2.0 Units

This course is an introduction to the discipline of Kinesiology through softball techniques and includes a global and historical examination of the skills and techniques of advanced softball and the changes that have influenced the modern game. The course also includes an analysis of movement, team interaction, and softball theory. Through team practice and scrimmages the student will learn the various segments of offensive and defensive play while exercise physiology, nutrition, flexibility, and strength concepts for conditioning will also be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. May be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of softball with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 38W

Intercollegiate Women's Badminton

3.0 Units

An introduction to the discipline of Physical Education through the sport of badminton. Includes a global examination of the sport, rules, equipment, facilities and etiquette. Emphasis placed on the four major pillars of the game: mental, physical, tactical and technical aspects necessary to successfully compete in matches. Discussion of the rules of the game, equipment technology and fair play will be incorporated into the course. Basic exercise physiology, nutrition, flexibility, muscular strength and endurance techniques relative to badminton will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D38WX was formerly P E D098A.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D38WX, D38WY and D038W may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of Badminton with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

P E 38WX

Intercollegiate Women's Badminton

1.5 Units

An introduction to the discipline of Physical Education through the sport of badminton. Includes a global examination of the sport, rules, equipment, facilities and etiquette. Emphasis placed on the four major pillars of the game: mental, physical, tactical and technical aspects necessary to successfully compete in matches. Discussion of the rules of the game, equipment technology and fair play will be incorporated into the course. Basic exercise physiology, nutrition, flexibility, muscular strength and endurance techniques relative to badminton will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D38WX was formerly P E D098A.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D38WX, D38WY and D038W may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of Badminton with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

P E 38WY

Intercollegiate Women's Badminton

2.0 Units

An introduction to the discipline of Physical Education through the sport of badminton. Includes a global examination of the sport, rules, equipment, facilities and etiquette. Emphasis placed on the four major pillars of the game: mental, physical, tactical and technical aspects necessary to successfully compete in matches. Discussion of the rules of the game, equipment technology and fair play will be incorporated into the course. Basic exercise physiology, nutrition, flexibility, muscular strength and endurance techniques relative to badminton will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D38WX was formerly P E D098A.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D38WX, D38WY and D038W may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of Badminton with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 39M

Intercollegiate Men's Soccer

3.0 Units

This is an introduction to Physical Education through the sport of soccer, including a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis will be placed upon the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in match play. The course includes a discussion of strategic information from scouting reports with application to game preparation and

management, as well as basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to soccer.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D039M was formerly P E D039.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D39MX, D39MY and D039M may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of Men's Soccer with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

P E 39MX
Intercollegiate Men's Soccer

1.5 Units

This is an introduction to Physical Education through the sport of soccer, including a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis will be placed upon the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in match play. The course includes a discussion of strategic information from scouting reports with application to game preparation and management, as well as basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to soccer.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D039M was formerly P E D039.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D39MX, D39MY and D039M may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of Men's Soccer with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

P E 39MY
Intercollegiate Men's Soccer

2.0 Units

This is an introduction to Physical Education through the sport of soccer, including a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis will be placed upon the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in match play. The course includes a discussion of strategic information from scouting reports with application to game preparation and management, as well as basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to soccer.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D039M was formerly P E D039.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D39MX, D39MY and D039M may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of Men's Soccer with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 39W
Intercollegiate Women's Soccer

3.0 Units

This course introduces the discipline of Kinesiology through the sport of soccer and includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis is placed on the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in intercollegiate athletics. The laws of the game, the De Anza College Code of Ethics, and intercollegiate rules will be discussed along with exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to soccer at the collegiate level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement

(P E D39WX was formerly P E D098C.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D39WX, D39WY and D039W may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of women's soccer with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

P E 39WX
Intercollegiate Women's Soccer

1.5 Units

This course introduces the discipline of Kinesiology through the sport of soccer and includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis is placed on the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in intercollegiate athletics. The laws of the game, the De Anza College Code of Ethics, and intercollegiate rules will be discussed along with exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to soccer at the collegiate level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D39WX was formerly P E D098C.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D39WX, D39WY and D039W may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of women's soccer with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

P E 39WY
Intercollegiate Women's Soccer

2.0 Units

This course introduces the discipline of Kinesiology through the sport of soccer and includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis is placed on the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in intercollegiate athletics. The laws of the game, the De Anza College Code of Ethics, and intercollegiate rules will be discussed along with exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to soccer at the collegiate level.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D39WX was formerly P E D098C.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D39WX, D39WY and D039W may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of women's soccer with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 40
Intercollegiate Football

3.0 Units

This is an introduction to the discipline of Physical Education through intercollegiate football, including a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis will be placed on the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in games. Discussion of the rules of the game, equipment technology, and fair play will be incorporated into the course. Basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to football will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D040., D040X and D040Y may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of men's football with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

P E 40X
Intercollegiate Football

1.5 Units

This is an introduction to the discipline of Physical Education through intercollegiate football, including a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis will be placed on the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in games. Discussion of the rules of the game, equipment technology, and fair play will be incorporated into the course. Basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to football will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D040., D040X and D040Y may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of men's football with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

P E 40Y
Intercollegiate Football

2.0 Units

This is an introduction to the discipline of Physical Education through intercollegiate football, including a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis will be placed on the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in games. Discussion of the rules of the game, equipment technology, and fair play will be incorporated into the course. Basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to football will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D040., D040X and D040Y may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of men's football with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 41
Intercollegiate Water Polo

3.0 Units

This is an introduction to the discipline of Physical Education through water polo, including a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis is placed on the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in games. The course will cover the rules of the game, equipment technology, and fair play. Basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to water polo will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D041X, D041Y and D041. may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of water polo with an inceasing degree of proficiency while adhering to the De Anza College athletics code of ethics.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours

Course Out-of-Class Hours

Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

P E 41X

Intercollegiate Water Polo

1.5 Units

This is an introduction to the discipline of Physical Education through water polo, including a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis is placed on the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in games. The course will cover the rules of the game, equipment technology, and fair play. Basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to water polo will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D041X, D041Y and D041. may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of water polo with an inceasing degree of proficiency while adhering to the De Anza College athletics code of ethics.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

P E 41Y

Intercollegiate Water Polo

2.0 Units

This is an introduction to the discipline of Physical Education through water polo, including a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis is placed on the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in games. The course will cover the rules of the game, equipment technology, and fair play. Basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to water polo will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D041X, D041Y and D041. may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of water polo with an inceasing degree of proficiency while adhering to the De Anza College athletics code of ethics.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 42W

Intercollegiate Women's Volleyball

3.0 Units

This is an introduction to the discipline of Physical Education through the sport of volleyball, including a global and historical examination of the sport, rules, equipment, facilities, etiquette, and safety. Emphasis is placed on the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in games. The course will cover the rules of the game, equipment technology, and fair play. Basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to volleyball will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D42WX, D42WY and D042W may be taken up to six times for credit.)

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies, mental and physical skills of women's volleyball with an increasing degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

P E 42WX

Intercollegiate Women's Volleyball

1.5 Units

This is an introduction to the discipline of Physical Education through the sport of volleyball, including a global and historical examination of the sport, rules, equipment, facilities, etiquette, and safety. Emphasis is placed on the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in games. The course will cover the rules of the game, equipment technology, and fair play. Basic exercise

physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to volleyball will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D42WX, D42WY and D042W may be taken up to six times for credit.)

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies, mental and physical skills of women's volleyball with an increasing degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

P E 42WY

Intercollegiate Women's Volleyball

2.0 Units

This is an introduction to the discipline of Physical Education through the sport of volleyball, including a global and historical examination of the sport, rules, equipment, facilities, etiquette, and safety. Emphasis is placed on the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in games. The course will cover the rules of the game, equipment technology, and fair play. Basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to volleyball will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D42WX, D42WY and D042W may be taken up to six times for credit.)

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies, mental and physical skills of women's volleyball with an increasing degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 43

Intercollegiate Cross Country (Men and Women)

3.0 Units

An introduction to the discipline of physical education through the competitive sport of cross country. Includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Through the intercollegiate competitive experience students will improve their individual running skills, increase their ability to employ advanced strategies and increase their knowledge of exercise physiology, exercise nutrition, kinesiological concepts underlying the development of endurance, strength development and body awareness.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D043X was formerly P E D098G.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D043X, D043Y and D043. may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of cross country racing with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

P E 43X

Intercollegiate Cross Country (Men and Women)

1.5 Units

An introduction to the discipline of physical education through the competitive sport of cross country. Includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Through the intercollegiate competitive experience students will improve their individual running skills, increase their ability to employ advanced strategies and increase their knowledge of exercise physiology, exercise nutrition, kinesiological concepts underlying the development of endurance, strength development and body awareness.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D043X was formerly P E D098G.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D043X, D043Y and D043. may be taken up to six times for credit.)

Student Learning Outcomes

- Perform the techniques, strategies, mental and physical skills of cross country racing with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

P E 43Y

Intercollegiate Cross Country (Men and Women)

2.0 Units

An introduction to the discipline of physical education through the competitive sport of cross country. Includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Through the intercollegiate competitive experience students will improve their individual running skills, increase their ability to employ advanced strategies and increase their knowledge of exercise physiology, exercise nutrition, kinesiological concepts underlying the development of endurance, strength development and body awareness.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D043X was formerly P E D098G.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D043X, D043Y and D043. may be taken up to six times for credit.)

Student Learning Outcomes

- Perform the techniques, strategies, mental and physical skills of cross country racing with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 44M

Intercollegiate Men's Basketball

3.0 Units

This is an introduction to the discipline of Physical Education through the sport of basketball, including a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis is placed on the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in games. The course will cover the rules of the game, equipment technology, and fair play. Basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to basketball will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D44MX, D44MY and D044M may be taken up to six times for credit.

Student Learning Outcomes

- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies, mental and physical skills of men's basketball with an increasing degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

P E 44MX

Intercollegiate Men's Basketball

1.5 Units

This is an introduction to the discipline of Physical Education through the sport of basketball, including a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis is placed on the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in games. The course will cover the rules of the game, equipment technology, and fair play. Basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to basketball will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D44MX, D44MY and D044M may be taken up to six times for credit.

Student Learning Outcomes

- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies, mental and physical skills of men's basketball with an increasing degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

P E 44MY
Intercollegiate Men's Basketball

2.0 Units

This is an introduction to the discipline of Physical Education through the sport of basketball, including a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis is placed on the four major pillars of the game: mental, physical, tactical, and technical aspects necessary to successfully compete in games. The course will cover the rules of the game, equipment technology, and fair play. Basic exercise physiology, nutrition, flexibility, muscular strength, and endurance techniques relative to basketball will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D44MX, D44MY and D044M may be taken up to six times for credit.

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies, mental and physical skills of men's basketball with an increasing degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 44W
Intercollegiate Women's Basketball

3.0 Units

An introduction to the discipline of Physical Education through the sport of basketball. Includes a global and historical examination of the sport, rules, equipment, facilities and etiquette. Emphasis placed on the four major pillars of the game: mental, physical, tactical and technical aspects necessary to successfully compete in games. Discussion of the rules of the game, equipment technology and fair play will be incorporated into the course. Basic exercise physiology, nutrition, flexibility, muscular strength and endurance techniques relative to basketball will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D44WX was formerly P E D098J.)

Advisory(ies)

EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D44WX, D44WY and D044W may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of women's basketball with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

P E 44WX
Intercollegiate Women's Basketball

1.5 Units

An introduction to the discipline of Physical Education through the sport of basketball. Includes a global and historical examination of the sport, rules, equipment, facilities and etiquette. Emphasis placed on the four major pillars of the game: mental, physical, tactical and technical aspects necessary to successfully compete in games. Discussion of the rules of the game, equipment technology and fair play will be incorporated into the course. Basic exercise physiology, nutrition, flexibility, muscular strength and endurance techniques relative to basketball will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D44WX was formerly P E D098J.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D44WX, D44WY and D044W may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of women's basketball with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

P E 44WY

Intercollegiate Women's Basketball

2.0 Units

An introduction to the discipline of Physical Education through the sport of basketball. Includes a global and historical examination of the sport, rules, equipment, facilities and etiquette. Emphasis placed on the four major pillars of the game: mental, physical, tactical and technical aspects necessary to successfully compete in games. Discussion of the rules of the game, equipment technology and fair play will be incorporated into the course. Basic exercise physiology, nutrition, flexibility, muscular strength and endurance techniques relative to basketball will be discussed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D44WX was formerly P E D098J.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D44WX, D44WY and D044W may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of women's basketball with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 45

Intercollegiate Swimming and Diving (Men and Women)

3.0 Units

An introduction to the discipline of Physical Education through swimming and diving. Includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Through the intercollegiate competitive experience students will improve their individual swimming and diving skills, increase their ability to employ advanced training and increase their knowledge of exercise physiology, exercise nutrition, kinesiological concepts underlying the development of force, power and biomechanics.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D045X was formerly P E D098K.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D045X, D045Y and D045. may be taken up to six times for credit.)

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies, mental and physical skills of swimming and diving with an increasing degree of proficiency while adhering to the De Anza College athletics code of ethics.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

P E 45X

Intercollegiate Swimming and Diving (Men and Women)

1.5 Units

An introduction to the discipline of Physical Education through swimming and diving. Includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Through the intercollegiate competitive experience students will improve their individual swimming and diving skills, increase their ability to employ advanced training and increase their knowledge of exercise physiology, exercise nutrition, kinesiological concepts underlying the development of force, power and biomechanics.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D045X was formerly P E D098K.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D045X, D045Y and D045. may be taken up to six times for credit.)

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies, mental and physical skills of swimming and diving with an increasing degree of proficiency while adhering to the De Anza College athletics code of ethics.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

P E 45Y

Intercollegiate Swimming and Diving (Men and Women)

2.0 Units

An introduction to the discipline of Physical Education through swimming and diving. Includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Through the intercollegiate competitive experience students will improve their individual swimming and diving skills, increase their ability to employ advanced training and increase their knowledge of exercise physiology, exercise nutrition, kinesiological concepts underlying the development of force, power and biomechanics.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D045X was formerly P E D098K.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D045X, D045Y and D045. may be taken up to six times for credit.)

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies, mental and physical skills of swimming and diving with an increasing degree of proficiency while adhering to the De Anza College athletics code of ethics.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 46
Intercollegiate Track and Field (Men and Women)

3.0 Units

This is an introduction to the discipline of Physical Education through the competitive sport of track and field, including a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Through the intercollegiate competitive experience, students will improve their individual track and field skills, increase their ability to employ advanced strategies, and increase their knowledge of exercise physiology, exercise nutrition, and kinesiological concepts underlying the development of force, power, and body awareness.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D046X, D046Y and D046. may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of track and field with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

P E 46X
Intercollegiate Track and Field (Men and Women)

1.5 Units

This is an introduction to the discipline of Physical Education through the competitive sport of track and field, including a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Through the intercollegiate competitive experience, students will improve their individual track and field skills, increase their ability to employ advanced strategies, and increase their knowledge of exercise physiology, exercise nutrition, and kinesiological concepts underlying the development of force, power, and body awareness.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D046X, D046Y and D046. may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of track and field with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

P E 46Y
Intercollegiate Track and Field (Men and Women)

2.0 Units

This is an introduction to the discipline of Physical Education through the competitive sport of track and field, including a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Through the intercollegiate competitive experience, students will improve their individual track and field skills, increase their ability to employ advanced strategies, and increase their knowledge of exercise physiology, exercise nutrition, and kinesiological concepts underlying the development of force, power, and body awareness.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D046X, D046Y and D046. may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of track and field with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 47M
Intercollegiate Baseball

3.0 Units

An introduction to the discipline of Physical Education through intercollegiate baseball. Includes a global and historical examination of the skills of competitive baseball and the changes that have influenced the modern game. Includes analysis of offensive and defensive play, team interaction, and baseball theory. Through the intercollegiate competitive experience, student/athletes will improve their individual skills, increase their ability to employ advanced strategies and increase their knowledge of team play. Exercise physiology, nutrition, flexibility and strength concepts for conditioning will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D47MX was formerly P E D098M.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D47MX, D47MY and D047M may be taken up to six times for credit.)

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies, mental and physical skills of baseball with an increasing degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

P E 47MX
Intercollegiate Baseball

1.5 Units

An introduction to the discipline of Physical Education through intercollegiate baseball. Includes a global and historical examination of the skills of competitive baseball and the changes that have influenced the modern game. Includes analysis of offensive and defensive play, team interaction, and baseball theory. Through the intercollegiate competitive experience, student/athletes will improve their individual skills, increase their ability to employ advanced strategies and increase their knowledge of team play. Exercise physiology, nutrition, flexibility and strength concepts for conditioning will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D47MX was formerly P E D098M.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D47MX, D47MY and D047M may be taken up to six times for credit.)

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies, mental and physical skills of baseball with an increasing degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

P E 47MY
Intercollegiate Baseball

2.0 Units

An introduction to the discipline of Physical Education through intercollegiate baseball. Includes a global and historical examination of the skills of competitive baseball and the changes that have influenced the modern game. Includes analysis of offensive and defensive play, team interaction, and baseball theory. Through the intercollegiate competitive experience, student/athletes will improve their individual skills, increase their ability to employ advanced strategies and increase their knowledge of team play. Exercise physiology, nutrition, flexibility and strength concepts for conditioning will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D47MX was formerly P E D098M.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D47MX, D47MY and D047M may be taken up to six times for credit.)

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

- Perform the techniques, strategies, mental and physical skills of baseball with an increasing degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 47W
Intercollegiate Softball

3.0 Units

This is an introduction to the discipline of Physical Education through intercollegiate softball, including a global and historical examination of the skills and techniques of advanced offensive softball and the changes that have influenced the modern game. Analysis of movement, team interaction, and softball theory will be discussed. Through game preparation and repetition throughout the season, the student will learn the various segments of intercollegiate play. Exercise physiology, nutrition, flexibility, and strength concepts for conditioning will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D47WX, D47WY and D047W may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of women's softball with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

P E 47WX
Intercollegiate Softball

1.5 Units

This is an introduction to the discipline of Physical Education through intercollegiate softball, including a global and historical examination of the skills and techniques of advanced offensive softball and the changes that have influenced the modern game. Analysis of movement, team interaction, and softball theory will be discussed. Through game preparation and repetition throughout the season, the student will learn the various segments of intercollegiate play. Exercise physiology, nutrition, flexibility, and strength concepts for conditioning will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D47WX, D47WY and D047W may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of women's softball with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

P E 47WY
Intercollegiate Softball

2.0 Units

This is an introduction to the discipline of Physical Education through intercollegiate softball, including a global and historical examination of the skills and techniques of advanced offensive softball and the changes that have influenced the modern game. Analysis of movement, team interaction, and softball theory will be discussed. Through game preparation and repetition throughout the season, the student will learn the various segments of intercollegiate play. Exercise physiology, nutrition, flexibility, and strength concepts for conditioning will be covered.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D47WX, D47WY and D047W may be taken up to six times for credit.)

Student Learning Outcomes
- Perform the techniques, strategies, mental and physical skills of women's softball with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 48M
Intercollegiate Men's Tennis

3.0 Units

An introduction to the discipline of Physical Education through tennis. Includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis placed on the four major pillars of the game: mental, physical, tactical and technical aspects necessary to successfully compete in matches. Through the intercollegiate competitive experience students will improve their individual tennis skills, increase their ability to employ advanced strategies and increase their knowledge of exercise physiology, exercise nutrition, kinesiological concepts underlying the development of force, power and accuracy.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D48MX was formerly P E D098P.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D48MX, D48MY and D048M may be taken up to six times for credit.)

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies, mental and physical skills of competitive tennis with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

P E 48MX
Intercollegiate Men's Tennis

1.5 Units

An introduction to the discipline of Physical Education through tennis. Includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis placed on the four major pillars of the game: mental, physical, tactical and technical aspects necessary to successfully compete in matches. Through the intercollegiate competitive experience students will improve their individual tennis skills, increase their ability to employ advanced strategies and increase their knowledge of exercise physiology, exercise nutrition, kinesiological concepts underlying the development of force, power and accuracy.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D48MX was formerly P E D098P.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D48MX, D48MY and D048M may be taken up to six times for credit.)

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies, mental and physical skills of competitive tennis with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

P E 48MY
Intercollegiate Men's Tennis

2.0 Units

An introduction to the discipline of Physical Education through tennis. Includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis placed on the four major pillars of the game: mental, physical, tactical and technical aspects necessary to successfully compete in matches. Through the intercollegiate competitive experience students will improve their individual tennis skills, increase their ability to employ advanced strategies and increase their knowledge of exercise physiology, exercise nutrition, kinesiological concepts underlying the development of force, power and accuracy.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D48MX was formerly P E D098P.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D48MX, D48MY and D048M may be taken up to six times for credit.)

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies, mental and physical skills of competitive tennis with an increasing degree of proficiency.
- Apply knowledge of basic fitness concepts as they apply to health and wellness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 48W

Intercollegiate Women's Tennis

3.0 Units

An introduction to the discipline of physical education through tennis. Includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis placed on the four major pillars of the game: mental, physical, tactical and technical aspects necessary to successfully compete in games. Through the intercollegiate competitive experience students will improve their individual tennis skills, increase their ability to employ advanced strategies and increase their knowledge of exercise physiology, exercise nutrition, concepts underlying the development of force, power and accuracy.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D48WX was formerly P E D098Q.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D48WX, D48WY and D048W may be taken up to six times for credit.)

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies, mental and physical skills of women's tennis with an increasing degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

P E 48WX

Intercollegiate Women's Tennis

1.5 Units

An introduction to the discipline of physical education through tennis. Includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis placed on the four major pillars of the game: mental, physical, tactical and technical aspects necessary to successfully compete in games. Through the intercollegiate competitive experience students will improve their individual tennis skills, increase their ability to employ advanced strategies and increase their knowledge of exercise physiology, exercise nutrition, concepts underlying the development of force, power and accuracy.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D48WX was formerly P E D098Q.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D48WX, D48WY and D048W may be taken up to six times for credit.)

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies, mental and physical skills of women's tennis with an increasing degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

P E 48WY

Intercollegiate Women's Tennis

2.0 Units

An introduction to the discipline of physical education through tennis. Includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Emphasis placed on the four major pillars of the game: mental, physical, tactical and technical aspects necessary to successfully compete in games. Through the intercollegiate competitive experience students will improve their individual tennis skills, increase their ability to employ advanced strategies and increase their knowledge of exercise physiology, exercise nutrition, concepts underlying the development of force, power and accuracy.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(P E D48WX was formerly P E D098Q.)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Satisfies the requirement of an intercollegiate athletics course. Any combination of P E D48WX, D48WY and D048W may be taken up to six times for credit.)

Student Learning Outcomes
- Apply knowledge of basic fitness concepts as they apply to health and wellness.
- Perform the techniques, strategies, mental and physical skills of women's tennis with an increasing degree of proficiency.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

P E 99

Orientation to Athletics

1.0 Units

An introduction to De Anza College Intercollegiate Athletics. An orientation to the De Anza College Physical Education and Athletics Division programs, policies, services, requirements, transfer, etc. Topics discussed will be eligibility, decorum, team rules, college rules, NCAA rules, CCCAA rules, medical information, insurance, nutrition, alcohol awareness, drug education, prevention of violence in our communities with an emphasis on the prevention of

violence against women and other marginalized populations, team work, leadership, time management and study skills. Academic and athletic success will be the focus.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
Competitive athletics experience at a high school or club level; medical examination.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- The students will demonstrate knowledge of the CCCAA eligibility rules pertaining to full-time academic student status while competing during the Intercollegiate season.
- The students will demonstrate knowledge of the CCCAA eligibility rules pertaining to the second season of competition in Intercollegiate athletics.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

PARA 3

Concepts of Criminal Law (CP 2)

4.0 Units

Historical development, philosophy of law and constitutional provisions; definitions, classification of crime, and their application to the system of administration of justice; legal research, study of case law, methodology, and concepts of law as a social force in a multicultural, multiethnic society.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Demonstrate a knowledge of the elements of crimes and determine crimes from factual situations.
- Access the appropriate legal code and identify the proper statute based on a given description of conduct.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 11

Federal Courts and Constitutional Law

4.0 Units

Federal court procedure and the impact of U.S. Constitutional law on federal and state law. Read and analyze the Constitution. Effect of U.S. Supreme Court cases on current constitutional interpretation.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Analyze the substantive Constitutional amendments pertaining to individual civil rights and evaluate their impact on protected classes.
- Describe writs of error and certiorari and define their use within the appellate process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 25

Law and Social Change

4.0 Units

Exploration of the use of law as an instrument for social change. Examination of the relationship between law and social change in cross-cultural settings. Analysis of legislation, case law, the process of conflict resolution and legal institutions as they relate to social change.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Critique the relationship between law and social change within the context of cross-cultural settings.
- Analyze the roles of legislation and case law as they pertain to socio-cultural change.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 54
Youth and the Law

4.0 Units

A legal and sociological approach to understanding the causes of juvenile delinquency; an examination of race, culture, and gender in juvenile delinquency; community responses to delinquency; organization, functions, and jurisdiction of both social and legal agencies; processing and detention; case disposition; statutes and court procedures.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Analyze the sociological principles regarding the causation of juvenile crime and delinquency.
- Identify those laws that relate to juvenile offences and critique how they impact youthful offenders.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 64
Paralegal Internship

1.0 Units

Program of work experience and study in law, paralegal, or legal research under the supervision of the instructor and agency personnel.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Explain the organization, function, and tasks of an agency that utilizes paralegals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

PARA 64X
Paralegal Internship

2.0 Units

Program of work experience and study in law, paralegal, or legal research under the supervision of the instructor and agency personnel.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Explain the organization, function, and tasks of an agency that utilizes paralegals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

PARA 64Y
Paralegal Internship

3.0 Units

Program of work experience and study in law, paralegal, or legal research under the supervision of the instructor and agency personnel.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Explain the organization, function, and tasks of an agency that utilizes paralegals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

PARA 64Z
Paralegal Internship

4.0 Units

Program of work experience and study in law, paralegal, or legal research under the supervision of the instructor and agency personnel.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Explain the organization, function, and tasks of an agency that utilizes paralegals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

PARA 65W
Current Paralegal Topics

1.0 Units

Current developments in the substantive law in an area of legal practice; current developments in procedural law in that area of legal practice; current developments in legal forms used in that area of legal practice; the role of the paralegal in substantive and procedural law in that area of legal practice.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
Background or experience appropriate to topic or consent of instructor.

Student Learning Outcomes
- Demonstrate an understanding of Current developments in substantive procedural law.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

PARA 65X
Current Paralegal Topics

2.0 Units

Current developments in the substantive law in an area of legal practice; current developments in procedural law in that area of legal practice; current developments in legal forms used in that area of legal practice; the role of the paralegal in substantive and procedural law in that area of legal practice.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
Background or experience appropriate to topic or consent of instructor.

Student Learning Outcomes
- Demonstrate an understanding of Current developments in substantive procedural law.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

PARA 65Y
Current Paralegal Topics

3.0 Units

Current developments in the substantive law in an area of legal practice; current developments in procedural law in that area of legal practice; current developments in legal forms used in that area of legal practice; the role of the paralegal in substantive and procedural law in that area of legal practice.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
Background or experience appropriate to topic or consent of instructor.

Student Learning Outcomes

- Demonstrate an understanding of Current developments in substantive procedural law.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	0.0	**Laboratory**	0.0
Total	36.0	**Total**	72.0

PARA 65Z
Current Paralegal Topics

4.0 Units

Current developments in the substantive law in an area of legal practice; current developments in procedural law in that area of legal practice; current developments in legal forms used in that area of legal practice; the role of the paralegal in substantive and procedural law in that area of legal practice.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
Background or experience appropriate to topic or consent of instructor.

Student Learning Outcomes

- Demonstrate an understanding of Current developments in substantive procedural law.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 67
Law Office Management for Paralegals

2.0 Units

This course examines the law office environment, its structure and procedural aspects, and the important role the paralegal plays within it.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate the ability to understand the legal industry and the various legal professionals within it.
- Learn the specific duties paralegals have within the Law Office environment.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

PARA 69
Paralegal Field Trips

1.0 Units

This course will survey current conditions in the paralegal field.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Compare and contrast the working environments along with the usage of paralegals in public and private organizations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

PARA 72
Trademarks Law

4.0 Units

This is an overview of the paralegal's role in trademark practice, including federal and foreign trademark registrations, prosecution of applications, maintenance, trademark clearance, and enforcement.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
PARA 94 or ADMJ 95 or PARA 95 or POLI D095. (either course may be taken concurrently) or professional experience appropriate to the topic

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Demonstrate an understanding of what constitutes a Trademark and evidence of use of Trademarks.

- Demonstrate an understanding of the trademark clearance process and the paralegal's role in that process.
- Demonstrate an understanding of the paralegal's role in international trademark practice.
- Outline the appropriate procedures of the federal Trademark registration and maintenance process.
- Identify the rules and laws governing federal Trademark registration and options for enforcement.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 74A

Interviewing, Interrogation and Crisis Intervention

4.0 Units

This course examines the theories, principles, and strategies of tactical and interpersonal communication necessary to interview victims, witnesses, and suspects. Students will explore crisis intervention strategies for victims and witnesses of crime, along with communication with individuals from diverse backgrounds with consideration to race, ethnicity, gender, age, and special needs.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Compare and contrast the major principles and strategies of effective interviewing and interrogation.
- Differentiate between truthful and deceptive human behavior exhibited during both the interview and interrogation processes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 75

Principles and Procedures of the Justice System

4.0 Units

Procedures followed by law enforcement and courts in criminal cases; constitutional principles governing those procedures.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Describe the development of the criminal justice system within the framework of the U.S. and State Constitutions.
- Identify the components of the criminal justice system and discuss how each is fundamental to the justice process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 85

Intellectual Property Law

4.0 Units

Overview of the law of intellectual property, including trade secrets, trademarks, patents and copyrights and examination of the role of the paralegal in this area.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
ADMJ 95 or PARA 95 or POLI 95 (either course may be taken concurrently)

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate an understanding of the various types of Intellectual Property, including the general legal principles of each.
- Outline the appropriate procedures required for each form of Intellectual Property.
- Identify and use the appropriate governing laws.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 86
Legal Analysis

4.0 Units

This course examines the principles of legal analysis with an emphasis on analysis of case law; detailed examination of written case opinions; methods of interpreting statutory law; and the development of legal arguments based on case law and statutory law.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate ability to locate and outline case law.
- Apply correct sources of law to hypothetical fact scenerios.
- Develop proper legal writing skills and formats.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 87
Personal Injury and Tort Litigation

4.0 Units

Substantive tort law emphasizing concepts applicable to automobile accident cases, product liability cases, premises liability cases and malpractice cases; insurance law affecting personal injury litigation; basic medical terminology in personal injury litigation; procedural rules and practices related to personal injury litigation in California with an emphasis on the role of the paralegal.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
PARA 94 or ADMJ 95 or PARA 95 or POLI D095. (either course may be taken concurrently) or professional experience appropriate to the topic

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate an understanding of the applicable areas of law for personal injury and tort law.
- Identify and prepare appropriate documents for various stages of personal injury and tort litigation.
- Evalute the role of the paralegal in the context of personal injury/tort litigation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 88
The Paralegal and Professional Responsibility

2.0 Units

An examination of the role of the paralegal in the legal system. Ethical rules and guidelines governing legal professionals will also be examined.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Analyze fact patterns to identify the ethical problems contained therein and determine the applicable actions required to resolve the issues.
- Identify and describe the applicable governing professional responsibility rules and identify where they are located.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	0.0	**Laboratory**	0.0
Total	24.0	**Total**	48.0

PARA 89
Landlord Tenant Law

4.0 Units

California law relating to creation of landlord/tenant relationship; legal rights of landlords; legal rights of tenants; eviction proceedings.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
PARA 94 or ADMJ 95 or PARA 95 or POLI D095. (either course may be taken concurrently) or professional experience appropriate to the topic

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Analyze the rights and obligations of landlords and tenants in California.
- Outline the procedures for prosecuting an Unlawful Detainer action in California.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 90A
Legal Aspects of Evidence (CP 4)

4.0 Units

The origin, development, and content of the rules of evidence; kinds of degrees of evidence and rules governing admissibility of evidence.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Explain the legal reasoning for the development of rules of evidence.
- Analyze a case scenario and demonstrate the proper rules of evidence that apply to that case.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 91A
California Family Law

4.0 Units

Substantive and procedural aspects of family law practice in California, with emphasis on dissolution procedures.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
PARA 94 or ADMJ 95 or PARA 95 or POLI D095. (either course may be taken concurrently) or professional experience appropriate to the topic

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate an understanding of how California family law is applied both in the state and the world wide.
- Compare and contrast the various legal avenues available for the formation and dissolving of marriages in California.
- Analyze the current role of the paralegal in the family law court process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 92A
Partnerships and Corporations

4.0 Units

Substantive and procedural law of basic business organizations, including sole proprietorships, partnerships, corporations and limited liability companies and partnerships.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
PARA 94 or ADMJ 95 or PARA 95 or POLI D095. (either course may be taken concurrently) or professional experience appropriate to the topic

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Compare and contrast the different types of California business organizations.
- Outline the processes for formation and dissolution of each type of California business organization.
- Recommend the correct course of action based on hypothetical fact scenerios regarding business formation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 92B
Corporate Securities Regulations

4.0 Units

Substantive laws and procedural rules and forms related to California and federal corporate securities regulations.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
PARA 92A or professional experience appropriate to the topic

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Differentiate between the Federal and State security regulations and requirements.
- Demonstrate an understanding of the history of securities regulations and its impact on today's law.
- Describe the methods and phases of distribution of securities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 93
Bankruptcy Law

4.0 Units

Substantive law of bankruptcy; legal rights of debtors and creditors, procedural rules and forms for bankruptcy; practical applications.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
PARA 94 or ADMJ 95 or PARA 95 or POLI D095. (either course may be taken concurrently) or professional experience appropriate to the topic

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Compare and contrast the various types of Bankruptcy actions.
- Demonstrate an understanding of the property rights and liabilities of both debtors and creditors in a bankruptcy proceeding.
- Analyze the current role of the paralegal in the bankruptcy process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 94
Introduction to California Law

4.0 Units

The legal structures and legal procedures existing within the state of California and the roles and duties of legal personnel in California, with an emphasis on the role and duty of paralegals, will be examined in this course.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate knowledge of the different legal systems at work in the state of California.
- Outline the hierarchy and court procedures of the courts with jurisdiction in California.
- Differentiate between the various substantive areas of law applicable in California.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 95
Overview of American Law

4.0 Units

Overview of the major substantive areas of American law: contracts, constitutional law, corporations, criminal law, family law, property, torts, wills and estates.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Demonstrate knowledge of the American judicial system and process, utilizing appropriate legal terminology.
- Demonstrate the ability to read case law and statutory law.
- Analyze factual situations in relationship to concepts of the major areas of substantive law in America.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 96A

Introduction to Legal Research and Writing

4.0 Units

Organization and publication of American and California law; using print and online legal resources to find the law; using the law to analyze legal issues arising from factual disputes; writing a memorandum of law utilizing acceptable legal citation format.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
PARA 86 or PARA 94 or ADMJ 95 or PARA D095. or POLI D095. (either course may be taken concurrently) or professional experience appropriate to the topic

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate an understanding of the organization and heirarchy of published legal materials.
- Demonstrate the ability to locate and analyze various substantative and procedural laws.
- Prepare and critique various analytical legal memoranda.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 96C

Computer Assisted Legal Research and Investigation

4.0 Units

Use of the Internet to find legal resources and conduct legal investigations; introduction to the fee-based legal resources such as LEXIS, Westlaw, and Bloomberg Law.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
PARA 94 or PARA 96A or ADMJ 95 or PARA D095. or POLI D095. (either course may be taken concurrently) or professional experience appropriate to the topic

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Establish knowledge and skills of a basic understanding of legal research and investigation on the Internet.
- Identify and locate various free sources for legal information on the internet.
- Demonstrate an understanding of where and how to conduct legal research on fee-based sources.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 97A

Civil Litigation Procedures

4.0 Units

Substantive and procedural rules and forms for handling federal and California state civil cases through the pleading and motion phases of litigation.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
PARA 94 or ADMJ 95 or PARA 95 or POLI D095. (either course may be taken concurrently) or professional experience appropriate to the topic

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate knowledge of both pre-commencement and initiation of litigation procedures and rules.
- Demonstrate knowledge and location of the appropriate rules and procedures governing litigation pleadings and motions.
- Outline and demonstrate the various roles a paralegal can take in civil litigation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 97B

Advanced Civil Litigation Procedures

4.0 Units

Selected pretrial, discovery and post-trial procedures for paralegals; document preparation; judicial council form use; case analysis.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
PARA 97A or professional experience appropriate to the topic

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate knowledge of civil discovery rules, procedures and motions.
- Outline the steps necessary to prepare for trial.

- Demonstrate knowledge of appellate rules, procedures and pleadings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 98
Drafting Wills and Trusts

4.0 Units

Substantive, procedural and drafting principles of wills and trusts and estate planning: role of paralegal in drafting wills and trusts, inventorying estates, and collecting data.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
PARA 94 or ADMJ 95 or PARA 95 or POLI D095. (either course may be taken concurrently) or professional experience appropriate to the topic

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate an understanding of the substantative legal principles controlling wills and trusts in the state of California.
- Demonstrate an ability to identify and prepare the appropriate documents required based on various fact scenerios.
- Analyze the current role of the paralegal in the estates and trusts legal practice.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PARA 99
California Probate Law and Procedures

4.0 Units

California probate substantive law and procedures including state and federal estate tax requirements, conservatorships and community property death transfers.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
PARA 94 or ADMJ 95 or PARA 95 or POLI D095. (either course may be taken concurrently) or professional experience appropriate to the topic

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate an understanding of the substantative legal principles regulating California Probate Proceedings.
- Analyze specific legal problems relating to California probate law and procedures.
- Correlate California probate proceedings and relevant probate forms.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PEA 1
Adapted Total Fitness

0.5 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction to the discipline of Physical Education through total fitness. Students will improve total fitness through a program of cardiovascular exercise, agility, speed, flexibility and resistance training. Includes rules, equipment, etiquette, safety, nutrition, and techniques related to total fitness training. Includes a brief historical examination of how fitness training has changed due to the influences of individuals, cultures, and medical research. Students will review and apply basic exercise physiology and fitness concepts in the context of their own abilities and limitations to develop and/or maintain their cardiovascular, strength, and flexibility fitness levels.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Within the context of a student's disability, he/she will be able to demonstrate that his/her physical being has been positively affected through the Adapted Total Fitness course.
- Within the the context of a student's disability, that his/her psychosocial well being has been positively affected through the Adapted Total Fitness course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

PEA 1X

Adapted Total Fitness

1.0 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction to the discipline of Physical Education through total fitness. Students will improve total fitness through a program of cardiovascular exercise, agility, speed, flexibility and resistance training. Includes rules, equipment, etiquette, safety, nutrition, and techniques related to total fitness training. Includes a brief historical examination of how fitness training has changed due to the influences of individuals, cultures, and medical research. Students will review and apply basic exercise physiology and fitness concepts in the context of their own abilities and limitations to develop and/or maintain their cardiovascular, strength, and flexibility fitness levels.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- Within the context of a student's disability, he/she will be able to demonstrate that his/her physical being has been positively affected through the Adapted Total Fitness course.
- Within the the context of a student's disability, that his/her psychosocial well being has been positively affected through the Adapted Total Fitness course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

PEA 1Y

Adapted Total Fitness

1.5 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction to the discipline of Physical Education through total fitness. Students will improve total fitness through a program of cardiovascular exercise, agility, speed, flexibility and resistance training. Includes rules, equipment, etiquette, safety, nutrition, and techniques related to total fitness training. Includes a brief historical examination of how fitness training has changed due to the influences of individuals, cultures, and medical research. Students will review and apply basic exercise physiology and fitness concepts in the context of their own abilities and limitations to develop and/or maintain their cardiovascular, strength, and flexibility fitness levels.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- Within the context of a student's disability, he/she will be able to demonstrate that his/her physical being has been positively affected through the Adapted Total Fitness course.
- Within the the context of a student's disability, that his/her psychosocial well being has been positively affected through the Adapted Total Fitness course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

PEA 1Z

Adapted Total Fitness

2.0 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction to the discipline of Physical Education through total fitness. Students will improve total fitness through a program of cardiovascular exercise, agility, speed, flexibility and resistance training. Includes rules, equipment, etiquette, safety, nutrition, and techniques related to total fitness training. Includes a brief historical examination of how fitness training has changed due to the influences of individuals, cultures, and medical research. Students will review and apply basic exercise physiology and fitness concepts in the context of their own abilities and limitations to develop and/or maintain their cardiovascular, strength, and flexibility fitness levels.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- Within the context of a student's disability, he/she will be able to demonstrate that his/her physical being has been positively affected through the Adapted Total Fitness course.
- Within the the context of a student's disability, that his/her psychosocial well being has been positively affected through the Adapted Total Fitness course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

PEA 2

Adapted Strength Development

0.5 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction to the discipline of Physical Education through strength development in the context of an individual's physical, intellectual, and/or affective abilities and limitations. Includes rules, equipment, etiquette, safety, nutrition, and techniques related to strength training. Includes a brief historical examination of how strength training has changed due to the influences of individuals, cultures, and medical research. Students will

review and apply basic exercise physiology and strength development concepts in the context of their own abilities and limitations to develop and/or maintain their muscular strength.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Within the context of a student's disability, he/she will be able to demonstrate that his/her physical being has been positively affected through the Adapted Strength Training course.
- Within the context of a student's disability, his/her psychosocial well being has been positively affected through the Adapted Strength Training course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

PEA 2X

Adapted Strength Development

1.0 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction to the discipline of Physical Education through strength development in the context of an individual's physical, intellectual, and/or affective abilities and limitations. Includes rules, equipment, etiquette, safety, nutrition, and techniques related to strength training. Includes a brief historical examination of how strength training has changed due to the influences of individuals, cultures, and medical research. Students will review and apply basic exercise physiology and strength development concepts in the context of their own abilities and limitations to develop and/or maintain their muscular strength.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Within the context of a student's disability, he/she will be able to demonstrate that his/her physical being has been positively affected through the Adapted Strength Training course.
- Within the context of a student's disability, his/her psychosocial well being has been positively affected through the Adapted Strength Training course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

PEA 2Y

Adapted Strength Development

1.5 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction to the discipline of Physical Education through strength development in the context of an individual's physical, intellectual, and/or affective abilities and limitations. Includes rules, equipment, etiquette, safety, nutrition, and techniques related to strength training. Includes a brief historical examination of how strength training has changed due to the influences of individuals, cultures, and medical research. Students will review and apply basic exercise physiology and strength development concepts in the context of their own abilities and limitations to develop and/or maintain their muscular strength.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Within the context of a student's disability, he/she will be able to demonstrate that his/her physical being has been positively affected through the Adapted Strength Training course.
- Within the context of a student's disability, his/her psychosocial well being has been positively affected through the Adapted Strength Training course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

PEA 2Z

Adapted Strength Development

2.0 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction to the discipline of Physical Education through strength development in the context of an individual's physical, intellectual, and/or affective abilities and limitations. Includes rules, equipment, etiquette, safety, nutrition, and techniques related to strength training. Includes a brief historical examination of how strength training has changed due to the influences of individuals, cultures, and medical research. Students will review and apply basic exercise physiology and strength development concepts in the context of their own abilities and limitations to develop and/or maintain their muscular strength.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability

(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- Within the context of a student's disability, he/she will be able to demonstrate that his/her physical being has been positively affected through the Adapted Strength Training course.
- Within the context of a student's disability, his/her psychosocial well being has been positively affected through the Adapted Strength Training course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

PEA 4

Adapted Cardiovascular Training

0.5 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction to the discipline of Physical Education through cardiovascular training in the context of an individual's physical, intellectual, and/or affective abilities and limitations. Includes rules, equipment, etiquette, safety, nutrition, and techniques related to cardiovascular fitness training. Global and historical review of the evolution of aerobic exercise, exercise trends for men, women, and athletes as they correspond to the evolution of the discipline of Physical Education. Students will review and apply basic exercise physiology and fitness concepts in the context of their own abilities and limitations to develop and/or maintain their cardiovascular fitness levels.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- Within the context of a student's disability, he/she will be able to demonstrate that his/her physical well being has been positively affected through the Adapted Cardiovascular Training course.
- Within the context of a student's disability, he/she will be able to demonstrate that his/her psychosocial well being has been positively affected through the Adapted Cardiovascular Training course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

PEA 4X

Adapted Cardiovascular Training

1.0 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction to the discipline of Physical Education through cardiovascular training in the context of an individual's physical, intellectual, and/or affective abilities and limitations. Includes rules, equipment, etiquette, safety, nutrition, and techniques related to cardiovascular fitness training. Global and historical review of the evolution of aerobic exercise, exercise trends for men, women, and athletes as they correspond to the evolution of the discipline of Physical Education. Students will review and apply basic exercise physiology and fitness concepts in the context of their own abilities and limitations to develop and/or maintain their cardiovascular fitness levels.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- Within the context of a student's disability, he/she will be able to demonstrate that his/her physical well being has been positively affected through the Adapted Cardiovascular Training course.
- Within the context of a student's disability, he/she will be able to demonstrate that his/her psychosocial well being has been positively affected through the Adapted Cardiovascular Training course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

PEA 4Y

Adapted Cardiovascular Training

1.5 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction to the discipline of Physical Education through cardiovascular training in the context of an individual's physical, intellectual, and/or affective abilities and limitations. Includes rules, equipment, etiquette, safety, nutrition, and techniques related to cardiovascular fitness training. Global and historical review of the evolution of aerobic exercise, exercise trends for men, women, and athletes as they correspond to the evolution of the discipline of Physical Education. Students will review and apply basic exercise physiology and fitness concepts in the context of their own abilities and limitations to develop and/or maintain their cardiovascular fitness levels.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes

- Within the context of a student's disability, he/she will be able to demonstrate that his/her physical well being has been positively affected through the Adapted Cardiovascular Training course.

- Within the context of a student's disability, he/she will be able to demonstrate that his/her psychosocial well being has been positively affected through the Adapted Cardiovascular Training course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

PEA 4Z

Adapted Cardiovascular Training

2.0 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction to the discipline of Physical Education through cardiovascular training in the context of an individual's physical, intellectual, and/or affective abilities and limitations. Includes rules, equipment, etiquette, safety, nutrition, and techniques related to cardiovascular fitness training. Global and historical review of the evolution of aerobic exercise, exercise trends for men, women, and athletes as they correspond to the evolution of the discipline of Physical Education. Students will review and apply basic exercise physiology and fitness concepts in the context of their own abilities and limitations to develop and/or maintain their cardiovascular fitness levels.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Within the context of a student's disability, he/she will be able to demonstrate that his/her physical well being has been positively affected through the Adapted Cardiovascular Training course.
- Within the context of a student's disability, he/she will be able to demonstrate that his/her psychosocial well being has been positively affected through the Adapted Cardiovascular Training course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

PEA 5

Adapted Aquatic Exercise

0.5 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction the discipline of Physical Education through water exercise in the context of an individual's physical, intellectual, and/or affective abilities and limitations. Aquatic exercise uses dynamic aerobic exercise techniques to provide a level of conditioning for both the aerobic and anaerobic energy systems. The freestyle interval format combines jogging, jumping, walking, punching, kicking, and a variety of aerobic type movements performed in land-based programs. Students will strive for ultimate fitness through a complete program of cardiovascular exercise, strength development, and flexibility. An historical examination of aqua exercise for fitness, rehabilitation, and play will be included.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Within the context of a student's disability,he/she will be able to demonstrate that his/her physical well being has been positively affected through the Adapted Aquatics course.
- Within the context of a student's disability, he/she will be able to demonstrate that his/her psychosocial well being has been positively affected through the Adapted Aquatics course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

PEA 5X

Adapted Aquatic Exercise

1.0 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction the discipline of Physical Education through water exercise in the context of an individual's physical, intellectual, and/or affective abilities and limitations. Aquatic exercise uses dynamic aerobic exercise techniques to provide a level of conditioning for both the aerobic and anaerobic energy systems. The freestyle interval format combines jogging, jumping, walking, punching, kicking, and a variety of aerobic type movements performed in land-based programs. Students will strive for ultimate fitness through a complete program of cardiovascular exercise, strength development, and flexibility. An historical examination of aqua exercise for fitness, rehabilitation, and play will be included.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Within the context of a student's disability,he/she will be able to demonstrate that his/her physical well being has been positively affected through the Adapted Aquatics course.
- Within the context of a student's disability, he/she will be able to demonstrate that his/her psychosocial well being has been positively affected through the Adapted Aquatics course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

PEA 5Y

Adapted Aquatic Exercise

1.5 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction the discipline of Physical Education through water exercise in the context of an individual's physical, intellectual, and/or affective abilities and limitations. Aquatic exercise uses dynamic aerobic exercise techniques to provide a level of conditioning for both the aerobic and anaerobic energy systems. The freestyle interval format combines jogging, jumping, walking, punching, kicking, and a variety of aerobic type movements performed in land-based programs. Students will strive for ultimate fitness through a complete program of cardiovascular exercise, strength development, and flexibility. An historical examination of aqua exercise for fitness, rehabilitation, and play will be included.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Within the context of a student's disability,he/she will be able to demonstrate that his/her physical well being has been positively affected through the Adapted Aquatics course.
- Within the context of a student's disability, he/she will be able to demonstrate that his/her psychosocial well being has been positively affected through the Adapted Aquatics course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

PEA 5Z

Adapted Aquatic Exercise

2.0 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction the discipline of Physical Education through water exercise in the context of an individual's physical, intellectual, and/or affective abilities and limitations. Aquatic exercise uses dynamic aerobic exercise techniques to provide a level of conditioning for both the aerobic and anaerobic energy systems. The freestyle interval format combines jogging, jumping, walking, punching, kicking, and a variety of aerobic type movements performed in land-based programs. Students will strive for ultimate fitness through a complete program of cardiovascular exercise, strength development, and flexibility. An historical examination of aqua exercise for fitness, rehabilitation, and play will be included.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Within the context of a student's disability,he/she will be able to demonstrate that his/her physical well being has been positively affected through the Adapted Aquatics course.
- Within the context of a student's disability, he/she will be able to demonstrate that his/her psychosocial well being has been positively affected through the Adapted Aquatics course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

PEA 6Y

Adapted Outdoor Education

1.5 Units

A multifaceted course for students with disabilities seeking outdoor experiential education. Includes diverse experiences involving accessible activities including hiking, kayaking, white water rafting, camping, sailing, etc. Using adapted methodologies and wilderness safety, disabled students will experience survival techniques and investigate flora and fauna. Students with disabilities will experience personal fulfillment from being in an outdoor environment. Mental and physical strength will be tested. Adapted skills will be utilized.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Within the context of a student's disability,he/she will be able to demonstrate that his/her physical well being has been positively effected through the Adapted Outdoor Education course.
- Within the context of a student's disability, he/she will be able to demonstrate that his/her psychosocial well being has been positively affected through the Adapted Outdoor Education course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

PEA 15

Adapted Aerobic Swimming

0.5 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction to the discipline of Physical Education through aerobic swimming in the context of an individuals physical, intellectual, and/or affective abilities and limitations. Includes rules, equipment, etiquette, safety, nutrition, and techniques related to aerobic swimming has changed due to the influences of individuals, cultures, and medical research. Students will review and apply basic exercise physiology and aerobic swimming concepts in the context of their own abilities and limitations to develop, maintain, or improve their aerobic swimming technique and endurance.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Demonstrate cardio-respiratory endurance.
- Apply aerobic and anaerobic training techniques to health and fitness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

PEA 15X

Adapted Aerobic Swimming

1.0 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction to the discipline of Physical Education through aerobic swimming in the context of an individuals physical, intellectual, and/or affective abilities and limitations. Includes rules, equipment, etiquette, safety, nutrition, and techniques related to aerobic swimming has changed due to the influences of individuals, cultures, and medical research. Students will review and apply basic exercise physiology and aerobic swimming concepts in the context of their own abilities and limitations to develop, maintain, or improve their aerobic swimming technique and endurance.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Demonstrate cardio-respiratory endurance.
- Apply aerobic and anaerobic training techniques to health and fitness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

PEA 15Y

Adapted Aerobic Swimming

1.5 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction to the discipline of Physical Education through aerobic swimming in the context of an individuals physical, intellectual, and/or affective abilities and limitations. Includes rules, equipment, etiquette, safety, nutrition, and techniques related to aerobic swimming has changed due to the influences of individuals, cultures, and medical research. Students will review and apply basic exercise physiology and aerobic swimming concepts in the context of their own abilities and limitations to develop, maintain, or improve their aerobic swimming technique and endurance.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Demonstrate cardio-respiratory endurance.
- Apply aerobic and anaerobic training techniques to health and fitness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	4.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	54.0	**Laboratory**	0.0
Total	54.0	**Total**	0.0

PEA 15Z

Adapted Aerobic Swimming

2.0 Units

Adapted to provide reasonable accommodations for students with verified physical disabilities, this course is an introduction to the discipline of Physical Education through aerobic swimming in the context of an individuals physical, intellectual, and/or affective abilities and limitations. Includes rules, equipment, etiquette, safety, nutrition, and techniques related to aerobic swimming has changed due to the influences of individuals, cultures, and medical research. Students will review and apply basic exercise physiology and aerobic

swimming concepts in the context of their own abilities and limitations to develop, maintain, or improve their aerobic swimming technique and endurance.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Repeatability
(Repeatable as needed to meet the Student Educational Contract (Title 5, section 56029).)

Student Learning Outcomes
- Demonstrate cardio-respiratory endurance.
- Apply aerobic and anaerobic training techniques to health and fitness.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

PERS 1
Elementary Persian (First Quarter)

5.0 Units

An introduction to the language and cultures of the Persian-speaking world. Basic speaking, listening, reading, and writing of Persian will be introduced and practiced within a cultural framework and will be the primary language of instruction. Language laboratory practice to reinforce pronunciation, grammar, syntax, and conversation.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate a working command of essential vocabulary and language structures necessary to request and provide, orally and in writing, basic/simple information relating to high-frequency situations in familiar contexts.
- Derive meaning from short, simple texts on familiar topics, relying on contextual clues to extract the gist and some detail.
- Compose comprehensible, simple phrases or sentences about familiar topics to reflect a working command of core vocabulary and language structures.
- Demonstrate a cursory grasp of social protocols and contributions of Persian-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

PERS 2
Elementary Persian (Second Quarter)

5.0 Units

Further development of material presented in PERS D001. Continuation of introduction to the language and cultures of the Persian-speaking states. Speaking, listening, reading and writing of Persian will be extended and practiced within a cultural framework. Continued application of language as an expression of culture with a special interest in communication skill-building. Language laboratory practice to reinforce pronunciation, grammar, and syntax.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
PERS 1 (equivalent to one year of high school Persian) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate a greater working command of essential vocabulary and language structures necessary to request and provide, orally and in writing, an increasing range of basic/simple information relating to high-frequency situations in familiar contexts such as visiting friends, making appointments, studying Persian, preparing for a class, school life, shopping and transportation.
- Derive meaning from short, simple texts on familiar topics, relying on contextual clues to extract the gist and an increasing amount of detail.
- Compose comprehensible, simple sentences about familiar topics to reflect a greater working command of core vocabulary and language structures.
- Demonstrate a deeper grasp of social protocols and contributions of Persian-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

PERS 3
Elementary Persian (Third Quarter)

5.0 Units

Further development of material presented in PERS D001. and PERS D002. with a further introduction to the language and cultures of the Persian-speaking countries. Extended speaking, listening, reading and writing of basic Persian language, practiced within a cultural framework. Language laboratory practice to reinforce pronunciation, grammar, and syntax.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
PERS 2 (equivalent to two years of high school Persian) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate a somewhat consistent working command of essential vocabulary and

language structures necessary to request and provide, orally and in writing, a more complex/abstract range of information relating to high-frequency situations in familiar contexts.
- Derive meaning from longer, simple texts on familiar topics, relying on contextual clues to extract main ideas and supporting details.
- Compose comprehensible, more complex sentences about familiar topics to reflect a somewhat consistent working command of core vocabulary and language structures.
- Demonstrate an increasingly accurate grasp of social protocols and contributions of Persian-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

PHIL 1
Introduction to Philosophy

4.0 Units

An introduction to the scope and methods of the philosophical discipline, emphasizing topics in epistemology (the study of knowledge) and metaphysics (the study of reality). Pluralistic approaches will be applied to classical and contemporary problems, issues, and figures.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate a basic understanding of philosophical methods.
- Articulate ideas about philosophical issues.
- Apply philosophical methods, assumptions and principles in the analysis of philosophical ideas and positions.
- Evaluate philosophical arguments, methods, assumptions, and principles for consistency, relevance, and truth.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PHIL 2
Social and Political Philosophy

4.0 Units

Examines fundamental issues and methods in social and political philosophy. Emphasis is placed upon historical development as well as contemporary issues and cultural contexts. Issues include political authority, rights, equality, freedom, agency, responsibility, justice, and social identity.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Identify and analyze philosophical problems pertaining to social and political philosophy.
- Analyze and assess solutions to these problems from a variety of philosophical traditions.
- Articulate and defend original positions on issues in social and political philosophy.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0

PHIL 3
Critical Thinking and Writing

5.0 Units

This course is an introduction to the study of argumentation, critical evaluation, the structure of language in written composition, and research techniques. Practical applications of critical thinking skills in everyday situations such as moral thinking, problem-solving, and the evaluation of arguments. Additionally, arguments will be studied within the context of philosophical issues, texts, and subject matter. A major research paper is also required for the course.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT)

Student Learning Outcomes
- Identify and analyze a variety of rhetorical and argumentative techniques.
- Analyze and assess a variety of rhetorical and argumentative texts.
- Develop your own complex arguments.
- Demonstrate an application of these tools to one's own actions and decisions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0

Total	60.0	**Total**	120.0

PHIL 4
Critical Thinking

4.0 Units

This course is an introduction to the study of argumentation, critical evaluation, and the use of language in the interpretation of diverse forms of discourse. It explores practical applications of critical thinking skills in everyday situations such as problem solving and evaluation of arguments.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Identify and analyze a variety of rhetorical and argumentative techniques.
- Analyze and assess a variety of rhetorical and argumentative texts.
- Develop original and complex arguments.
- Demonstrate an application of the tools of reasoning to personal actions and decisions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PHIL 7
Deductive Logic

4.0 Units

This course is a study of the concepts and methods of deductive logic, emphasizing formal proof techniques in sentential and predicate logic.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Translate English sentences into the languages of propositional and predicate logic.
- Distinguish between valid and invalid deductive arguments.
- Complete multi-step deductive proofs, employing primitive rules of proof for propositional and predicate logic.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PHIL 7H
Deductive Logic - HONORS

4.0 Units

This course is a study of the concepts and methods of deductive logic, emphasizing formal proof techniques in sentential and predicate logic. Students in this course will be expected to complete additional assignments in order to gain further proficiency in formal logical methods.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Translate English sentences into the languages of propositional and predicate logic.
- Distinguish between valid and invalid deductive arguments.
- Complete multi-step deductive proofs, employing primitive rules of proof for propositional and predicate logic.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PHIL 8
Ethics

4.0 Units

This course is an integrated and multicultural study of ethical philosophy and emphasizes topics such as the good life, the nature of value, moral reflection, moral reasoning, and action. Many approaches to ethics, including Western and non-Western traditions will be examined.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Identify and analyze central questions about right action and/or the good life.
- Analyze and assess arguments and approaches to these questions from a variety of traditions.
- Articulate and defend a personal stance on at least one of these questions and/or traditions.

- Formulate an application of this discourse to one's own personal decision making.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PHIL 8H
Ethics - HONORS

4.0 Units

This course is an integrated and multicultural study of ethical philosophy and emphasizes topics such as the good life, the nature of value, moral reflection, moral reasoning, and action. Many approaches to ethics, including Western and non-Western traditions will be examined. Students in this honors course will be expected to complete extra assignments to gain a deeper insight into moral philosophy.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Identify and analyze central questions about right action and/or the good life.
- Analyze and assess arguments and approaches to these questions from a variety of traditions.
- Articulate and defend a personal stance on at least one of these questions and/or traditions.
- Formulate an application of this discourse to one's own personal decision making.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PHIL 11
Asian Philosophy

4.0 Units

An introduction to the major themes and figures of Asian philosophical traditions, emphasizing those found in China, India and Japan. Studies may include Confucianism, Moism, Yangism, Taoism, the Upanishads, Vedanta, Jaina, Buddhism, Zen and Shinto. Classical thought will be primarily emphasized, though some attention will be given to contemporary thinkers.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Identify and assess the central figures, questions and themes of philosophy in Asian traditions.
- Assess and analyze arguments and approaches to philosophical problems as found in Asian philosophical texts.
- Articulate and defend original positions on problems and figures from Asian philosophical traditions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PHIL 20A
History of Western Philosophy - Ancient Greece

4.0 Units

Examination of the problems of knowledge, reality, truth, value, agency, morality, and wisdom in Greek philosophy from Thales to Aristotle. Emphasis will be given to applications of Greek thinking to social, aesthetic, cultural, gender, historical, and religious issues.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Identify and assess the central figures, questions and themes of ancient philosophy in the western tradition.
- Assess and analyze arguments and approaches to philosophical problems as found in ancient philosophical texts.
- Articulate and defend one's own stance on at least one ancient philosophical problem, figure or theory.
- Exhibit an application of the concepts learned in this class to one's own existence in the world.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0

Total	48.0	**Total**	96.0

PHIL 20B

History of Western Philosophy - 1400-1800

4.0 Units

An introduction to the major philosophers of the Western tradition from the Renaissance through the early modern period. Examination of the problems of knowledge, reality, truth, freedom, agency, morality and value theory in figures from Descartes to Kant, including marginalized figures and groups, such as Elizabeth of Bohemia.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Identify and assess the central figures, questions and themes of early modern philosophy in the western tradition.
- Assess and analyze arguments and approaches to philosophical problems as found in early modern philosophical texts.
- Articulate and defend one's own stance on at least one early modern philosophical problem, figure or theory.
- Exhibit an application of the concepts learned in this class to one's own existence in the world.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PHIL 20C

History of Western Philosophy - 1800-the Present

4.0 Units

An introduction to the major philosophers of the Western tradition from 1900 to the present with an emphasis on major philosophers and movements that examine problems of knowledge, reality, truth, value, and human existence, as well as their applications to the sciences and other fields, such as cultural studies.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Identify and assess the central figures, questions and themes of 19th and 20th century philosophy in the western tradition.
- Assess and analyze arguments and approaches to philosophical problems as found in 19th and 20th century philosophical texts.
- Articulate and defend one's own stance on at least one 19th and 20th century philosophical problem, figure or theory.
- Exhibit an application of the concepts learned in this class to one's own existence in the world.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PHIL 24

Philosophy of Religion

4.0 Units

An introduction to Philosophy of Religion investigating religious experience, belief and life under the scope of philosophy. Analyzes issues including: the cognitive component in religious experience, religion and feminism, religious fundamentalism, arguments for and against theism, and attitudes toward both philosophy and religion in a variety of cultural contexts.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Identify and analyze the philosophical problems pertaining to religion.
- Analyze and assess solutions to these problems from a variety of religious and philosophical traditions.
- Articulate and defend your own position on at least one issue related to the philosophy of religion.
- Exhibit an application of the concepts learned in this class to one's own existence in the world.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PHIL 30

Introduction to Existentialism

4.0 Units

This course examines central figures, texts, and ideas within existential philosophy, with an emphasis on the fundamental ontological assumption held by all existentialists, namely the existentialists' rejection of rationalism and the idea that a metaphysical system can (or should) describe the world as containing determinate essences that confer univocal conceptual identities upon things, situations, and actions.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)

EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Identify and analyze issues relating to existentialism.
- Analyze and assess texts relevant to existential philosophy.
- Analyze and defend one's own position on an issue or text relevant to existentialism.
- Identify at least one point of relevance between existential philosophy and one's own views / decisions in the contemporary world.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PHIL 49
Women and Philosophy

4.0 Units

Examination of feminist theory, "feminism," feminist thought and the philosophy produced by a diverse range of women in philosophy. Investigation of the ways that understandings of the relations between the sexes have influenced the work of philosophers from different cultures.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Identify and analyze issues relating to women and philosophy.
- Analyze and assess texts relevant to women and philosophy.
- Analyze and defend one's own position on an issue relevant to women and philosophy.
- Exhibit an application of the concepts learned in this class to one's own existence in the world.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PHIL 77
Special Projects in Philosophy

1.0 Units

Specific reading, writing or study projects within the discipline of Philosophy.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes

- Employ philosophical methods in the analysis of complex source texts.
- Articulate and defend original philosophical positions on a complex issue.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

PHIL 77X
Special Projects in Philosophy

2.0 Units

Specific reading, writing or study projects within the discipline of Philosophy.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes

- Employ philosophical methods in the analysis of complex source texts.
- Articulate and defend original philosophical positions on a complex issue.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

PHIL 77Y
Special Projects in Philosophy

3.0 Units

Specific reading, writing or study projects within the discipline of Philosophy.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Employ philosophical methods in the analysis of complex source texts.
- Articulate and defend original philosophical positions on a complex issue.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

PHTG 1
Basic Photography

3.0 Units

Introduction to black and white photography. Overview of the 35mm single lens reflex camera operating system. Basic understanding of film processing, printing and finishing. Development of critical thinking skills to analyze historical, cultural, conceptual and practical aspects of a medium used worldwide. Preparatory for further work in photography including digital imaging.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Student Learning Outcomes
- Demonstrate a working knowledge of wet darkroom processes to create photographs using a 35mm film camera.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

PHTG 2
Intermediate Photography

3.0 Units

Intermediate black and white photography. Overview of the medium format camera and continued use of the 35mm camera. Demonstration of basic 4x5 camera principles. Introduction to studio portraiture and basic studio practices. Continued development of critical thinking skills to analyze historical, cultural, conceptual and practical aspects of a medium used worldwide. Preparatory for further work in photography including digital imaging.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
PHTG 1

Repeatability
(This course is included in the Analog Photography Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Analog Photography

Student Learning Outcomes
- Demonstrate a working knowledge of wet darkroom processes to create photographs using a medium format camera.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

PHTG 3
Advanced Photography

3.0 Units

This course examines advanced photography for film and digital practices. Students will learn to capture, process, and print technically and well-conceived images; to organize and assemble a strong group of images that are conceptually strong and exhibit a strong personal vision; and to refine their development of critical thinking skills to analyze historical, cultural, conceptual and practical aspects of the photographic medium.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
PHTG 2 or PHTG 5

Repeatability
(This course is included in the Photography - Professional Practices Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Photography-Professional Practices

Student Learning Outcomes
- Demonstrate a working knowledge of advanced capture, processing, and printing for the organization of a final portfolio.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours | Course Out-of-Class Hours

Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

PHTG 4

Introduction to Digital Photography

3.0 Units

An introduction to digital photography and digital imaging processes. Gain proficiency in the use of a digital camera and explore the digital darkroom using Adobe Lightroom. Develop skills in digital print output for both fine art and commercial applications. Gain knowledge of issues in contemporary photography and develop an ability to analyze and discuss photographic imagery. Basic, beginning photography and wet darkroom experience recommended.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Student Learning Outcomes
- Apply basic digital camera skills to create images.
- Demonstrate a working knowledge of the digital darkroom using Adobe Lightroom.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

PHTG 5

Intermediate Digital Photography

3.0 Units

Further study of digital photography and digital imaging processes. Gain greater control over the quality of your digital images through shooting RAW,organization and development through Lightroom, and/or image editing with Photoshop. Create a work flow for producing high quality prints. Discuss and analyze current trends in photography.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
PHTG 4

Advisory(ies)
EWRT 200 and READ 200, or ESL 261, ESL D262. and ESL D263.

Repeatability
(This course is included in the Digital Photography Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Digital Photography

Student Learning Outcomes
- Apply digital camera skills to create images.
- Demonstrate a working knowledge of the digital darkroom integrating Adobe Lightroom and/or Photoshop.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

PHTG 6

Photography Production Laboratory

2.0 Units

This is a supervised course in the use of a photographic studio, darkrooms, and/or photographic computer lab space.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
PHTG 1 or PHTG 4 (may be taken concurrently)

Repeatability
(This course is included in the Photography - Professional Practices Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Photography-Professional Practices

Student Learning Outcomes
- Increase photographic technical skill through the production of printed imagery within the wet or dry darkroom.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

PHTG 7

Exploring Visual Expression

4.0 Units

Exploring visual expression through the photographic medium. Understanding of basic principles of perception, light, color, composition and visual awareness. Development of critical thinking skills to express aesthetic, intellectual and emotional concerns. Basic overview of the history of the medium. Instruction on the use of cameras, lenses, and other creative controls of photography.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Students will interpret and utilize the photographic medium as a means of communication.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PHTG 21
Contemporary Trends in Photography

4.0 Units

This is a comprehensive introduction to contemporary trends, styles, and applications of photography, beginning in 1925. Students will examine photography's broad impact as a cultural, visual, and social force, including the diversity of 20th- and 21st-century photographic movements.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Identify iconic images and major trends in contemporary photography.
- Recognize the wide range of ethnically, culturally, and socially diverse representations and practices in contemporary photography.
- Evaluate and critique contemporary photographic imagery, through discussion, observation and writing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PHTG 52
Photography Production Laboratory

2.0 Units

Supervised use of photographic studio, darkrooms and/or photographic computer lab space.

Course Information

Transferability
Transferable to CSU only

Repeatability
(This course is included in the Photography - Professional Practices Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Photography-Professional Practices

Student Learning Outcomes
- Increase photographic technical skill through the production of printed imagery within the wet or dry darkroom.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

PHTG 54
Experimental Photography

3.0 Units

This course is an introduction to experimental and nontraditional photographic processes through the use of analog and digital photography. Students will view both historical and contemporary approaches to camera and darkroom use in the creation of photographic imagery. Students will also make enlarged negatives, create cyanotype and VanDyke brown prints, tone and hand color images, and use digital imaging to emulate these and other traditional processes while producing an engaging and expressive collection of images.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
PHTG 1 (may be taken concurrently)

Repeatability
(This course is included in the Analog Photography Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Analog Photography

Student Learning Outcomes
- Create and interpret non-traditional photographic imagery.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

PHTG 57A
Commercial Lighting I

3.0 Units

Basic lighting skills. Provide an understanding of the use of artificial light sources and associated equipment in a studio environment. Learn controls of lighting ratios, contrast, texture and form, reflection, and exposure. Produce photographic images relevant to the techniques and production methods covered.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
PHTG 1 or PHTG 4

Repeatability
(This course is included in the Photography - Professional Practices Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Photography-Professional Practices

Student Learning Outcomes
- Students will create photographic images using basic commercial lighting techniques.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

PHTG 57B
Commercial Lighting II

3.0 Units

Intermediate/advanced lighting skills. Learn complex lighting for reflective surfaces, commercial portraits, and exterior and interior architectural shooting. Produce photographic images relevant to the techniques and production methods covered. Gain an understanding of commercial studio organization and operation.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
PHTG 57A

Repeatability
(This course is included in the Photography - Professional Practices Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Photography-Professional Practices

Student Learning Outcomes
- Students will create photographic images using intermediate/advanced commercial lighting techniques.
- Prepare a professional portfolio presentation including resume.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

PHTG 58A
Photographic Photoshop I

3.0 Units

Introduction to digital imaging using the application Photoshop. Overview of Macintosh operating system. Basic understanding of image capture, input, storage, and output. Use of specifically photographic methods and controls to create and manage imagery in an all digital environment. The development of critical thinking skills to analyze diverse cultural, intellectual, philosophical, ethical and aesthetic concerns of the photographic medium as a part of new technologies.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Repeatability
(This course is included in the Digital Photography Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Digital Photography

Student Learning Outcomes
- Apply basic digital camera handling skills to create images using Photoshop editing techniques.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

PHTG 58B
Photographic Photoshop II

3.0 Units

Refinement of digital imaging skills using the application Photoshop. Learn channel mixing, advanced layering, and masking techniques. Understanding of color management, optimization of the toolbox and an introduction to large format printing. Use of specifically photographic methods and controls to create and manage imagery in an all-digital environment. Development of critical thinking skills to analyze diverse cultural, intellectual, philosophical, ethical and aesthetic concerns of the digital photograph.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 200 and READ 200, or ESL 261, ESL 262 and ESL D263.
- MATH 210 or equivalent.

Advisory(ies)
PHTG 58A

Repeatability
(This course is included in the Digital Photography Family of activity courses. Please see the rules on "Repeating Courses" in the College Policies section of the catalog.)

Course Family
FD - Digital Photography

Student Learning Outcomes
- Create digital images using intermediate/advanced Photoshop editing techniques.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	24.0	**Lecture**	48.0
Laboratory	36.0	**Laboratory**	0.0
Total	60.0	**Total**	48.0

PHTG 60
Using a Digital Camera

2.0 Units

An online introduction to the fundamentals of digital photography; basic camera types, controls, image formats, storage, and creative controls will be covered. Technical and compositional exercises will provide a solid understanding of the photographic medium.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Apply basic digital camera handling skills to create images.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	36.0	**Laboratory**	0.0
Total	48.0	**Total**	24.0

PHYS 2A
General Introductory Physics

5.0 Units

An elementary study of the basic physical laws describing the motion of bodies. Includes the study of oscillations, waves, and sound. Applications to everyday physical phenomena in problem solving using verbal logic, critical thinking, and mathematics. In the laboratory, explore experimental scientific procedures by comparing theoretical models to classic experiments using standard measurement techniques, basic uncertainty analysis, and graphical interpretations of data.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 1A or MATH 1AH (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
PHYS 50

Student Learning Outcomes
- Critically examine new, previously un-encountered problems, analyzing and evaluating their constituent parts, to construct and explain a logical solution utilizing, and based upon, the fundamental laws of mechanics.
- Gain confidence in taking precise and accurate scientific measurements, with their uncertainties, and then with calculations from them, analyze their meaning as relative, in an experimental context, to the verification and support of physics theories.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

PHYS 2B
General Introductory Physics

5.0 Units

The laws of mechanics applied to those of electricity and magnetism. An introduction to the physical properties of that fundamental quantity called charge. Includes the study of DC and AC circuits and their elementary applications. Concludes with electromagnetic waves. In the laboratory, learn to construct elementary circuits, measure and analyze their properties with electronic equipment including the oscilloscope, and study the behavior of moving charge in magnetic fields.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
PHYS 2A

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Critically examine new, previously un-encountered problems, analyzing and evaluating their constituent parts, to construct and explain a logical solution utilizing, and based upon, the fundamental laws of electricity and magnetism.
- Gain confidence in taking precise and accurate scientific measurements, with their uncertainties, and then with calculations from them, analyze their meaning as relative, in an experimental context, to the verification and support of physics theories.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

PHYS 2C
General Introductory Physics

5.0 Units

Study fluids, optics, thermodynamics, and modern physics. In the laboratory, continue to deepen an understanding of scientific procedure by applying theoretical models to classic experiments.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
PHYS 2B

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Critically examine new, previously un-encountered problems, analyzing and evaluating their constituent parts, to construct and explain a logical solution utilizing, and based upon, the fundamental laws of optics, thermodynamics, fluids, and modern physics.
- Gain confidence in taking precise and accurate scientific measurements, with their uncertainties, and then with calculations from them, analyze their meaning as relative, in an experimental context, to the verification and support of physics theories.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	36.0	**Laboratory**	0.0
Total	84.0	**Total**	96.0

PHYS 4A
Physics for Scientists and Engineers: Mechanics

6.0 Units

A rigorous introduction to the physical laws that describe and explain the motion of bodies. This course requires problem solving using verbal logic, critical analysis, and mathematical models. Students investigate general scientific procedures as a quantitative interplay between experimentation and theory employing statistical methods, graphical techniques, and measurement theory.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
PHYS 50 with a grade of C or better, or the equivalent (including high school Physics); MATH 1B or MATH 1BH (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Examine new, previously un-encountered problems by critically analyzing and evaluating their constituent parts, to construct and explain a logical solution utilizing, and based upon, the fundamental laws of mechanics.
- Acquire skill and confidence in taking precise and accurate scientific measurements, with their uncertainties, and then with calculations from them, analyze their meaning as relative, in an experimental context, to the verification and support of physics theories.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	36.0	**Laboratory**	0.0
Total	96.0	**Total**	120.0

PHYS 4B
Physics for Scientists and Engineers: Electricity and Magnetism

6.0 Units

This course introduces classical electromagnetism and includes DC and AC circuits and elementary field theory.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
PHYS 4A; MATH 1C or MATH 1CH (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Critically examine new, previously un-encountered problems, analyzing and evaluating their constituent parts, to construct and explain a logical solution utilizing, and based upon, the fundamental laws of electricity and magnetism.
- Gain confidence in taking precise and accurate scientific measurements, with their uncertainties, and then with calculations from them, analyze their meaning as relative, in an experimental context, to the verification and support of physics theories.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	36.0	**Laboratory**	0.0
Total	96.0	**Total**	120.0

PHYS 4C
Physics for Scientists and Engineers: Fluids, Waves, Optics and Thermodynamics

6.0 Units

This is an introductory studies course in static and dynamic fluids, mechanical and non-mechanical waves, geometrical and physical optics, heat, and the laws of thermodynamics.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
PHYS 4B; MATH 1D or MATH 1DH (may be taken concurrently)

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Critically examine new, previously un-encountered problems, analyzing and evaluating their constituent parts, to construct and explain a logical solution utilizing, and based upon, the fundamental laws of waves, fluids, optics, and thermodynamics.
- Acquire confidence in taking precise and accurate scientific measurements, with their uncertainties, and then with calculations from them, analyze their meaning as relative, in an experimental context, to the verification and support of physics theories.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	36.0	**Laboratory**	0.0
Total	96.0	**Total**	120.0

PHYS 4D
Physics for Scientists and Engineers: Modern Physics

6.0 Units

This course is an introduction to special relativity and quantum mechanics. Nuclear physics, elementary particles, and other selected topics are treated as time allows.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
PHYS 4C

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Examine critically new, previously un-encountered problems, analyzing and evaluating their constituent parts, to construct and explain a logical solution utilizing, and based upon, the fundamental laws of modern physics.
- Gain confidence in taking precise and accurate scientific measurements, with their uncertainties, and then with calculations from them, analyze their meaning as relative, in an experimental context, to the verification and support of physics theories.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	36.0	**Laboratory**	0.0
Total	96.0	**Total**	120.0

PHYS 10
Concepts of Physics

5.0 Units

This course explores the fundamental concepts of physics as applied to everyday phenomena from a limited mathematical perspective emphasizing verbal logic, critical analysis, and rational thought. The history of the scientific procedure as an interplay between theory and experimentation will be analyzed. Students will critically evaluate the role of scientific discovery in the success and development of technology.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
MATH 109, D114., D130. or equivalent; or a qualifying score on the Intermediate Algebra Placement Test

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Examine critically new, previously un-encountered problems, analyzing and evaluating their constituent parts, to construct and explain a logical solution utilizing, and based upon, the fundamental laws of physics in general.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

PHYS 50
Preparatory Physics

4.0 Units

A study in basic problem solving techniques in mechanics as a preparation for PHYS D004A.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
MATH 43 (or MATH 43H) and PHYS 10

Student Learning Outcomes
- Examine critically new, previously un-encountered problems, analyzing and evaluating their constituent parts, to construct and explain a logical solution utilizing, and based upon, the fundamental laws of mechanics.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PHYS 77
Special Projects in Physics

1.0 Units

This course involves individual special reading, writing, or study projects in Physics as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes

- Investigate an area of special interest and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

PHYS 77X
Special Projects in Physics

2.0 Units

This course involves individual special reading, writing, or study projects in Physics as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

PHYS 77Y
Special Projects in Physics

3.0 Units

This course involves individual special reading, writing, or study projects in Physics as determined in consultation with the instructor.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes
- Investigate an area of special interest and demonstrate an appropriate level of understanding and expertise.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

POLI 1
American Government and Politics

5.0 Units

Critical examination of the contemporary and historical struggle for the development of democratic political institutions in the United States at the state, local, and national levels. Particular emphasis given to the conflict between disparate socioeconomic groups in the conduct of U.S. political life (e.g. traditional elites versus the historically (and currently) disenfranchised-- women, people of color, workers, immigrants, etc.) and the interrelationship among social equity, democracy and sustainable environmental conditions.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Students will evaluate how political decisions are shaped by institutions and processes.
- Students will assess the impact of political decisions on individuals and groups.
- Students will demonstrate the capacity to effectively participate in the political process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

POLI 1H
American Government and Politics - HONORS

5.0 Units

Critical examination of the contemporary and historical struggle for the development of democratic political institutions in the United States at the state, local, and national levels. Particular emphasis given to the conflict between disparate socioeconomic groups in the conduct of U.S. political life (e.g. traditional elites versus the historically (and currently) disenfranchised-- women, people of color, workers, immigrants, etc.) and the interrelationship among social equity, democracy and sustainable environmental conditions. As an honors course, the students will be expected to complete extra assignments to gain a deeper insight in American Government and Politics.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Students will evaluate how political decisions are shaped by institutions and processes.
- Students will assess the impact of political decisions on individuals and groups.
- Students will demonstrate the capacity to effectively participate in the political process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

POLI 2
Comparative Politics

4.0 Units

Comparative analysis of different kinds of political systems, including their history, political institutions, society, culture, economy, processes and policies, the environmental conditions in which they operate, and their consequences.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Compare and evaluate how political decisions are shaped by institutions and processes in various political systems.
- Compare and assess the impact of political decisions on individuals and groups in various political systems.
- Appraise how participation in the political process varies across political systems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

POLI 3
International Relations

4.0 Units

This course is a critical examination of the basic elements of contemporary international relations: scope, terminology, methodology, sovereignty, nationalism, national policies, globalization, power, international, and regional political systems. Students will discuss non-governmental organizations and issues such as human rights and the environment.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- evaluate how political decisions are shaped by institutions and processes in the international system.
- assess the impact of political decisions on states, groups, and individuals in the international system.
- demonstrate the capacity to effectively participate in international politics.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

POLI 5
Introduction to Political Thought and Theory

4.0 Units

A survey in the field of political theory including how to interpret, discuss, critique, debate and write about classical and contemporary political thought and theory. Both classic or traditional approaches as well as more current and contemporary paradigms specific to constituent groups traditionally excluded will be examined. Through this course of study, students will learn to think and discuss critically, about both classic and modern issues in politics (e.g., individual versus community rights, freedom, equality and distributional justice, environmental sustainability and generational equity, the "rights" of nature and non-human life, power, sovereignty and the state, etc.).

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Evaluate the major paradigms of political thought filtered through views on human nature and the good society.
- Demonstrate the capacity to analyze critically and apply political theory to contemporary issues.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

POLI 10
Introduction to Administration of Justice

4.0 Units

An introduction to the characteristics of the criminal justice system in the United States. Focus is placed on examining crime measurement, theoretical explanations of crime, response to crime, components of the system and current challenges to the system. Examines the evolution of the principles and approaches utilized by the justice system and the evolving forces which have shaped those principles and approaches. Although justice structure and process is examined in a cross-cultural context, an emphasis is placed on the US justice system, particularly the structure and function of US police, courts, and corrections. Students are introduced to the origins and development of criminal law, legal process, and sentencing and incarceration policies.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Contrast the responsibilities of each component of the criminal justice system.
- Evaluate the interrelationships that link the components of the justice system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

POLI 11
Federal Courts and Constitutional Law

4.0 Units

Federal court procedure and the impact of U.S. Constitutional law on federal and state law. Read and analyze the Constitution. Effect of U.S. Supreme Court cases on current constitutional interpretation.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Analyze the substantive Constitutional amendments pertaining to individual civil rights and evaluate their impact on protected classes.
- Describe writs of error and certiorari and define their use within the appellate process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

POLI 13
Concepts of Criminal Law (CP 2)

4.0 Units

Historical development, philosophy of law and constitutional provisions; definitions, classification of crime, and their application to the system of administration of justice; legal research, study of case law, methodology, and concepts of law as a social force in a multicultural, multiethnic society.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Demonstrate a knowledge of the elements of crimes and determine crimes from factual situations.
- Access the appropriate legal code and identify the proper statute based on a given description of conduct.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0

Total	48.0	**Total**	96.0

POLI 15

Grassroots Democracy: Race, Politics and the American Promise

4.0 Units

Applied and theoretical learning for students of social justice, this course will examine race, culture and contradictions in the ideal of the American Dream through a comparative analysis of American experiences of migration. Particular emphasis will be on the historical experiences of European immigrants, African Americans, Mexican Americans, and Asian Americans. The course will also discuss the contemporary social and cultural implications of the migration process. Using a multidisciplinary social science approach, attention will be given to issues of race, ethnicity, gender, class, and ecology as well as the role of the state (policy) to the process of migration and immigration.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Students will identify key events and experiences in the migration histories of African Americans, European Americans, Mexican Americans and Asian Americans.
- Students will identify and critically evaluate major conceptual issues regarding migration to and within the United States.
- Students will identify, critically evaluate, and compare contemporary legacy of migration histories.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

POLI 16

Grassroots Democracy: Social Movements Since the 1960s

4.0 Units

Applied and theoretical learning for students of social justice, this course is a comparative survey of protest movements since the 1960s. An introductory, comparative, and interdisciplinary study of Mexican American, African American, Asian American, and white working class social and political struggles from 1960 to the present. The course traces the development of protest movements in response to racial, class, gender, ecological and political inequality in the context of U.S. politics and history. The course critically examines the internal and external factors contributing to the rise and fall of social and political movements with special attention to the conjuncture of ecology, gender, race, ethnicity, culture, class, and sexual orientation in contemporary U.S. politics.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Students will investigate and identify key events and experiences of major social protest movements since the 1960's.
- Students will identify, appraise, and compare factors leading to the development of social protest consciousness in social protest movements since the 1960's with specific attention to issues of ethnicity, race, class, ecology and gender.
- Students will demonstrate the capacity to participate effectively in political processes and techniques common to social movements.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

POLI 17

Grassroots Democracy: Leadership and Power

4.0 Units

Applied and theoretical training for students of social justice, this course is a multidisciplinary exploration of social change and popular democratic action with a focus on the meaning and development of political power in modern democracies. Topics to be explored include: gender and race sensitive approaches to leadership style, institutional and mass forums for civic engagement, mass recruitment and mobilization, consciousness development, democratic ethics, and strategic and tactical action.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the Honors Program related course.)

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Students will develop models for understanding and evaluating effective leadership in contemporary and historical democratic social movements, including but not limited to community organizing, electoral campaigns, non-profit and social service organizations, and non-governmental organizations.
- Students will compare and appraise the contemporary and historical micro and macro social dynamics in which democratic grassroots leaders have usually operated.

- Students will demonstrate the capacity to participate in political processes and leadership techniques common in the effective exercise of democratic social movements.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

POLI 17H
Grassroots Democracy: Leadership and Power - HONORS

4.0 Units

Applied and theoretical training for students of social justice, this course is a multidisciplinary exploration of social change and popular democratic action with a focus on the meaning and development of political power in modern democracies. Topics to be explored include: gender and race sensitive approaches to leadership style, institutional and mass forums for civic engagement, mass recruitment and mobilization, consciousness development, democratic ethics, and strategic and tactical action. As an honors course the students will be expected to complete extra assignments to gain deeper insight into the issues raised in this class.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Students will demonstrate the capacity to participate in political processes and leadership techniques common in the effective exercise of democratic social movements.
- Students will compare and appraise the contemporary and historical micro and macro social dynamics in which democratic grassroots leaders have usually operated.
- Students will develop models for understanding and evaluating effective leadership in contemporary and historical democratic social movements, including but not limited to community organizing, electoral campaigns, non-profit and social service organizations, and non-governmental organizations.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

POLI 60A
Introduction to Community Organizing

4.0 Units

Community organizing efforts by people working together to improve their campuses, neighborhoods, and cities is the focus of this course. The course prepares students at an introductory level to become professional organizers, campus leaders, and effective citizen advocates. The introductory history, theory, and different approaches to grassroots community organizing sometimes using selected case studies as illustration will be explored. Ideas from the current context for organizing, the impact of social change theories, organizing strategies, tools and new methodologies used in community organizing will be analyzed and then applied.(Off campus field trips may be required.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Evaluate community organizing processes and outcomes at an introductory level.
- Assess how individuals and groups can affect community organizing processes and outcomes at an introductory level.
- Demonstrate the capacity to participate effectively in community organizing at an introductory level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

POLI 60B
Intermediate Community Organizing

4.0 Units

Community organizing efforts by people working together to improve their campuses, neighborhoods, and cities is the focus of this course. The course prepares students at an intermediate level to become professional organizers, campus leaders, and effective citizen advocates. The history, theory, and different approaches to grassroots community organizing, sometimes using selected case studies as illustration, will be explored at an intermediate level. Ideas from the current context for organizing, the impact of social change theories, organizing strategies, tools and new methodologies used in community organizing will be analyzed and then applied.(Off campus field trips may be required.)

Course Information

General Course Statement(s)

(See general education pages for the requirements this course meets.)

General Course Statement(s)

(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
POLI 60A or SOSC 60A

Advisory(ies)
POLI 60A or SOSC 60A

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Evaluate community organizing processes and outcomes at an intermediate level.
- Assess how individuals and groups can affect community organizing processes and outcomes at an intermediate level.
- Demonstrate the capacity to participate effectively in community organizing at an intermediate level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

POLI 60C
Advanced Community Organizing

4.0 Units

Community organizing efforts by people working together to improve their campuses, neighborhoods, and cities is the focus of this course. The course prepares students at an advanced level to become professional organizers, campus leaders, and effective citizen advocates. The history, theory, and different approaches to grassroots community organizing, sometimes using selected case studies as illustration, will be explored at an advanced level. Ideas from the current context for organizing, the impact of social change theories, organizing strategies, tools and new methodologies used in community organizing will be analyzed and then applied.(Off campus field trips may be required.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
POLI 60B or SOSC 60B

Advisory(ies)
POLI 60B or SOSC 60B

Limitation(s) on Enrollment

(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Evaluate community organizing processes and outcomes at an advanced level.
- Assess how individuals and groups can affect community organizing processes and outcomes at an advanced level.
- Demonstrate the capacity to participate effectively in community organizing at an advanced level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

POLI 64
Political Science Internship

1.0 Units

This is a program of work experience and studies in a political office, government agency, or community organization under the supervision of the instructor and office, agency, or organization personnel.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
POLI 1 or POLI 1H

Student Learning Outcomes

- Assess role of office, agency, or organization in political process and how individuals/groups work through it to achieve their political goals.
- Examine how the office, agency, or organization's work impacts constituents, clients, and/or supporters and how its values impact its activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

POLI 64X
Political Science Internship

2.0 Units

This is a program of work experience and studies in a political office, government agency, or community organization under the supervision of the instructor and office, agency, or organization personnel.

Course Information

Transferability

Transferable to CSU only

Advisory(ies)
POLI 1 or POLI 1H

Student Learning Outcomes
- Assess role of office, agency, or organization in political process and how individuals/groups work through it to achieve their political goals.
- Examine how the office, agency, or organization's work impacts constituents, clients, and/or supporters and how its values impact its activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

POLI 64Y
Political Science Internship

3.0 Units

This is a program of work experience and studies in a political office, government agency, or community organization under the supervision of the instructor and office, agency, or organization personnel.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
POLI 1 or POLI 1H

Student Learning Outcomes
- Assess role of office, agency, or organization in political process and how individuals/groups work through it to achieve their political goals.
- Examine how the office, agency, or organization's work impacts constituents, clients, and/or supporters and how its values impact its activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

POLI 64Z
Political Science Internship

4.0 Units

This is a program of work experience and studies in a political office, government agency, or community organization under the supervision of the instructor and office, agency, or organization personnel.

Course Information

Transferability

Transferable to CSU only

Advisory(ies)
POLI 1 or POLI 1H

Student Learning Outcomes
- Assess role of office, agency, or organization in political process and how individuals/groups work through it to achieve their political goals.
- Examine how the office, agency, or organization's work impacts constituents, clients, and/or supporters and how its values impact its activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

POLI 75
Principles and Procedures of the Justice System

4.0 Units

Procedures followed by law enforcement and courts in criminal cases; constitutional principles governing those procedures.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Describe the development of the criminal justice system within the framework of the U.S. and State Constitutions.
- Identify the components of the criminal justice system and discuss how each is fundamental to the justice process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

POLI 95

Overview of American Law

4.0 Units

Overview of the major substantive areas of American law: contracts, constitutional law, corporations, criminal law, family law, property, torts, wills and estates.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Demonstrate knowledge of the American judicial system and process, utilizing appropriate legal terminology.
- Demonstrate the ability to read case law and statutory law.
- Analyze factual situations in relationship to concepts of the major areas of substantive law in America.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PSYC 1

General Psychology

4.0 Units

This course examines the factors influencing human behavior including biological and neurological basis of behavior, gender, life span development, cognition and consciousness, attention, sensation, perception, learning, memory, intelligence, motivation, emotion, stress, personality, psychological disorders and psychotherapy, social psychology, and applied psychology.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Describe the ways in which psychology is grounded in the scientific method.
- Demonstrate, by reference to supporting research, findings that underlie everyday knowledge and beliefs as they relate to psychology.
- Create real life examples that show how psychology is present in many human endeavours.
- Contrast the six (6) main models (cognitive, behavioral, psychodynamic, biological, humanistic/positive, socio-cultural) used to explain psychopathology and treatment.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PSYC 2

Research Methods in Psychology

6.0 Units

This course is an introduction to the scientific method and research design as applied to psychological topics, including developing research questions, comprehensive literature review, generating a testable hypothesis, design considerations including ethics, data collection, analyzing and interpreting data, and reporting findings. Students will apply the steps of the scientific method as they design, conduct, analyze and report findings of their own psychological research project.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
PSYC 1; and PSYC 15, SOC 15, MATH 10 or MATH D010H

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Explain and critically analyze the elements of scientific methodology and design with application to research problems in psychology.
- Demonstrate a thorough understanding of research methods and design as applied to psychological topics, with particular attention to APA ethical standards.
- Demonstrate the knowledge and ability to design, conduct, analyze, and report findings of an experimental project in psychology, utilizing proper APA format.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	36.0	**Laboratory**	0.0
Total	96.0	**Total**	120.0

PSYC 3

An Introduction to Cognitive Psychology

4.0 Units

This course provides an overview of theory and research in Cognitive Psychology. Topics related to cognition including perception, language acquisition, and development, reasoning and decision-making, attention, and learning and memory will be investigated and applied.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
PSYC 1

Student Learning Outcomes
- Explain the basic elements of scientific design and methodology applied to problems in cognitive psychology.
- Explain the cognitive processes involved in perception, language acquisition and development, reasoning and decision making, attention and learning and memory.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PSYC 4
Abnormal Psychology

4.0 Units

This course explores psychological disorders and treatments, past and present, emphasizing current paradigms for the purpose of understanding what constitutes abnormal behavior, how disorders are assessed, classified, diagnosed and treated. Cultural, social, biomedical, gender and age influences will be addressed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Explain the symptoms and causes of psychological disorders and compare and contrast them.
- Describe the different types of therapy and be able to apply them to specific case studies.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PSYC 5
Introduction to Theories of Personality

4.0 Units

This course is a survey of major theories and concepts of personality. Topics include Freudian, neo-Freudian, interpersonal, dispositional, behavioral and phenomenological theories.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
PSYC 1

Student Learning Outcomes
- Describe and apply the major personality theories to oneself, as well as to clinical and social cases.
- Evaluate the assessment of personality.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PSYC 6
Introduction to Humanistic Psychology

4.0 Units

This is a survey of humanistic, existential-phenomenological psychology and Eastern thought. The course is a cross-cultural survey of humanistic personality principles including Western European existential-phenomenological psychology and the current and historical impact of Eastern thought.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Explain major concepts, theories and methods of humanistic psychology.
- Apply basic constructs in humanistic, existential-phenomenological psychology to selected clinical and social problems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PSYC 8

Introduction to Social Psychology

4.0 Units

This course explores the scientific study of the way individuals think, feel, and behave in social situations. The systematic approach will include cross-cultural and comparative perspectives.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Describe the scientific method as it applies to social psychology.
- Apply knowledge of social psychological concepts to personal life.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PSYC 9

Psychology of Human Relationships and Normal Adjustment

4.0 Units

This is a survey of current theoretical and applied psychological knowledge relevant to personal/social relationships and normal psychological adjustment.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Demonstrate knowledge in core areas of Relationships and Adjustment and their applications to everyday life.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PSYC 10G

Child Development (The Early Years)

4.0 Units

An introductory course that examines the major physical, psychosocial and cognitive/language developmental milestones for children, both typical and atypical, from conception through middle childhood. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages.(This course meets NAEYC Standards 1 and 3; NBPTS Standards 1 and 4; and CEC Standards 1, 2 and 3.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Investigate how the study of child development fits into the broader field of scientific research.
- Demonstrate an understanding of how and why human beings change over the course of their life.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PSYC 10H

Child Growth and Development (Middle Childhood and Adolescence)

4.0 Units

An introductory course that examines the major physical, psychosocial and cognitive/language developmental milestones for children, both typical and atypical, from school age through adolescence. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages.(This course meets NAEYC Standards 1 and 3; NBPTS Standards 1 and 4; and CEC Standards 1, 2 and 3.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)

EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Develop a broad understanding of the behaviors and characteristics of children in middle childhood through adolescence.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PSYC 12
Psychology of Gender

4.0 Units

This course is an exploration of research and theory on gender in psychology, analyzing the biological, psychological, cultural and social factors and their origins.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Identify historical, mythological, societal, familial, ethnic and cultural influences that shape gender.
- Explain the biological basis of gender behavior throughout the life cycle.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PSYC 14
Developmental Aspects of Psychology

4.0 Units

This course is an exploration of the biological, social, cognitive, and psychological aspects of human development and their interactions across the life span.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Analyze and apply the major developmental theories in psychology including Freud, Erikson and Piaget.
- Identify the cognitive, psychosocial and biological development across the lifespan.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PSYC 15
Statistics and Research Methods in Social Science

4.0 Units

This course examines elementary statistics including measures of central tendency, variability, probability, correlation, tests of significance, and hypothesis testing.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
PSYC 1 or SOC 1; Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent

Prerequisite(s)
PSYC 1 or SOC 1; Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Demonstrate and explain the fundamental concepts of descriptive and inferential statistics as well as the major assumptions and methods of scientific analysis.
- Describe and demonstrate various measurement concepts appropriate to different types of research data.
- Graph and interpret basic frequency distributions,calculate and explain measures of central tendency and variablity.
- Describe the basic properties of the normal curve and standard scores.

- Calculate and apply linear regression, correlation, random sampling and probability analysis.
- Describe various methods of hypothesis testing, from the three primary varieties of Student's T-test to analysis of variance.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PSYC 24
Introduction to Psychobiology

4.0 Units

This course explores the biological processes that underlie our thoughts, feelings, and behaviors, with an emphasis on the genetic, neural, and chemical influences on such human concerns as addiction, emotional dysregulation, sleep, stress, neurological disorders, and sexual behavior. Some knowledge of biology is helpful.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
PSYC 1

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Recognize and explain the research methods used specifically in psychobiological investigations and be able to understand when each is used and for what purpose.
- Describe the different processes that form the biological basis of behavior.
- Demonstrate understanding of the major structures and functions of the CNS.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PSYC 51
Psychology of Wellness

4.0 Units

An exploration in the research,related concepts,factors and practices that contribute to overall health and wellness. It emphasizes holism: the physical, intellectual, emotional, social and spiritual components of wellness. It is interdisciplinary in nature drawing on source materials from positive, cross-cultural, clinical and health psychology, holistic health and neuroscience. The course will entail academic, experiential and interactive learning and requires students to actively engage in course material through reading, writing, participating in class and home practices and applying methods for improving well-being into their daily lives.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
PSYC 1

Student Learning Outcomes
- Understand and describe the basis of positive psychology.
- Demonstrate understanding of holistic approaches to health and wellness.
- Understand and apply models of health promotion to facilitate behavioral change.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PSYC 63
Sexual Assault, Police and Community Response

4.0 Units

This course examines the societal and psychological aspects of sexual assault, the perpetrators and the victims, along with the practical application of the police investigation, the criminal justice process, and social service intervention.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Describe the legal elements of rape and sexual assault.
- Compare and contrast the various multidimensional and multidisciplinary theoretical causes of sexual assault.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours | Course Out-of-Class Hours

Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

PSYC 64
Psychology Internship

1.0 Units

This course includes a program of work experience and study in psychology or human services under the supervision of the instructor and agency personnel.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
PSYC 1

Student Learning Outcomes
- Explain the importance of the community or government agency and the services the agency provides.
- Relate activity / program to class curriculum.
- Evaluate personal expectations and / or goals of the internship and reflect on personal goals for future occupation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

PSYC 64X
Psychology Internship

2.0 Units

This course includes a program of work experience and study in psychology or human services under the supervision of the instructor and agency personnel.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
PSYC 1

Student Learning Outcomes
- Explain the importance of the community or government agency and the services the agency provides.
- Relate activity / program to class curriculum.
- Evaluate personal expectations and / or goals of the internship and reflect on personal goals for future occupation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

PSYC 64Y
Psychology Internship

3.0 Units

This course includes a program of work experience and study in psychology or human services under the supervision of the instructor and agency personnel.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
PSYC 1

Student Learning Outcomes
- Explain the importance of the community or government agency and the services the agency provides.
- Relate activity / program to class curriculum.
- Evaluate personal expectations and / or goals of the internship and reflect on personal goals for future occupation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

PSYC 64Z
Psychology Internship

4.0 Units

This course includes a program of work experience and study in psychology or human services under the supervision of the instructor and agency personnel.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
PSYC 1

Student Learning Outcomes
- Explain the importance of the community or government agency and the services the agency provides.
- Relate activity / program to class curriculum.
- Evaluate personal expectations and / or goals of the internship and reflect on personal goals for future occupation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

PSYC 74A
Interviewing, Interrogation and Crisis Intervention

4.0 Units

This course examines the theories, principles, and strategies of tactical and interpersonal communication necessary to interview victims, witnesses, and suspects. Students will explore crisis intervention strategies for victims and witnesses of crime, along with communication with individuals from diverse backgrounds with consideration to race, ethnicity, gender, age, and special needs.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Compare and contrast the major principles and strategies of effective interviewing and interrogation.
- Differentiate between truthful and deceptive human behavior exhibited during both the interview and interrogation processes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

READ 10
Academic Literacy

5.0 Units

This course is post-secondary reading methods and strategies to develop and enhance critical thinking for academic, career and personal growth. Post-secondary reading is a recursive and intellectual development of comprehension, analysis, problem-solving, reflective judgment and interpretation skills in a range of challenging texts in multiple genres, including primary-source material from various cultural perspectives and across disciplines. The academic reading proficiencies acquired will enable students to engage as full participants in college, civic life and beyond.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
Eligibility for college-level composition (EWRT D001A or EWRT D01AH or (EWRT 1AS and EWRT 1AT)) as determined by college assessment or other appropriate methods

Student Learning Outcomes
- Examine challenging texts through critical self-reflection and analysis to gain clarity of textual purpose and intent.
- Reflect critically among and between the text, self and others.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

READ 70
Reading Across the Disciplines

1.0 Units

Improve comprehension of reading materials in a specific content-area course through the application of reading strategies and critical analysis of reading materials specific to course. This course offered in coordination with specific sections of content area courses.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Students will decide the most appropriate meta-cognitive reading process for a reading.
- Students will evaluate the levels of support for an author's main idea.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

READ 71
Critical Readings in Social Justice

1.0 Units

Examining collegiate reading materials within social justice issues, with a particular emphasis in an examination of the theories and concepts of social justice. Specified reading strategies

to critique, analyze and synthesize complex texts will be used.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Evaluate readings of social justice movements, emphasizing theories and concepts, for critical comprehensive as it pertains and affects students' personal lives.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

READ 80
Advanced Reading for College Success

4.0 Units

College-level reading techniques and practice to enhance reading efficiency for academic, career, and personal growth. Application of comprehension, analysis, and interpretation skills to a range of challenging readings, including texts and primary-source materials from various cultural perspectives and across disciplines.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate understanding of patterns of reasoning to comprehend and retain college level material.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

READ 200
Reading Fundamentals

5.0 Units

This course is an introduction to the everyday benefits of reading. Students will practice learning and applying reading methods to appropriate reading material and learning strategies for improving reading comprehension and rate.

Course Information

Transferability
Not transferable

Student Learning Outcomes
- Application of appropriate reading strategies to improve reading comprehension.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

READ 211
Developmental Reading

5.0 Units

This course helps students to improve their ability to read independently and effectively in work, academic, and personal environments.

Course Information

Transferability
Not transferable

Student Learning Outcomes
- Critique and analyze readings.
- Defend choice of meaning of vocabulary words appropriate to context.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

REST 50
Real Estate Principles

4.0 Units

Students in this course will learn the fundamental principles of real estate, including economics, law, working concepts, forms, and terminology. This course is applied toward the educational requirements of the California Real Estate Salesperson and Broker license examinations.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Student Learning Outcomes
- Demonstrate a knowledge of how real property is described, acquired, appraised, financed, encumbered and leased.
- Describe how title to real property is held in California.
- Evaluate factually simple real estate contract issues from a buyer's, seller's and real estate agent's perspective and identify and evaluate ethical issues in a California real estate context.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

REST 51
Real Estate Practices

4.0 Units

Students in this course will learn real estate business practices, including procedures, forms, and contracts. This course is applied toward the educational requirements of the California Real Estate Salesperson and Broker license examinations.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
REST 50

Student Learning Outcomes
- Demonstrate an ability to handle offers, including negotiating and making counteroffers.
- Describe the events that take place after a purchase and sale agreement is signed.
- Describe the functions of a property manager and identify the types of documents commonly used by property managers.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

REST 52A
Legal Aspects of Real Estate

4.0 Units

This course examines California real property laws with an emphasis on their practical application. Topics include the sources of real estate law, classes of property, fixtures, easements, estates or interest in real property, contracts of sale, covenants, conditions, and restrictions. This course is applied toward the educational requirements of the California Real Estate Salesperson and Broker license examinations. See DRE.ca.gov for current license requirements.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
REST 50

Student Learning Outcomes
- Demonstrate a knowledge of the basic workings of the legal system in California and the United States as it applies to California real estate and demonstrate a knowledge of the various types of listing agreements.
- Explain and evaluate the real estate licensing process and the administrative agencies that regulate the California real estate industry.
- Explain and evaluate the different forms of holding title to real estate in California and risks/returns therein.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

REST 53
Real Estate Finance

4.0 Units

Students in this course will examine regulations and procedures for financing real estate. Topics include types of lenders; primary and secondary investors; and methods and guidelines for qualifying for real property loans. This course is applied toward the educational requirements of the California Real Estate Salesperson and Broker license examinations. See DRE.ca.gov for current license requirements.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
REST 50

Student Learning Outcomes
- Demonstrate knowledge of how real estate is financed in California from a lending, regulatory and borrowers perspective.
- Demonstrate knowledge as to the real estate lending/borrowing process from underwriting and qualifying through funding and loan retirement.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

REST 55

Real Estate Property Management

4.0 Units

This course provides a practical approach for handling problems encountered by owners and managers of residential and income properties. Topics include client relationships, property inspection, scheduling maintenance, screening tenants, legal considerations, risk management, handling, and negotiating leases, staffing, marketing techniques, working relationships, financial reporting, record maintenance, and insurance. The course can be applied toward the educational requirements of the California Real Estate Salesperson and Broker license examinations. See dre.ca.gov for current license requirements.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
REST 50

Student Learning Outcomes
- Create property management marketing plan.
- Identify essential lease provisions.
- Identify best practices to reduce property management risk.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

REST 61

Real Estate Investments

4.0 Units

This real estate investments course explores investments in apartments and commercial and industrial buildings. Topics include capital gains calculations, tax implications, installment sale methods, tax-deferred exchange, appraisal methods, financing, leases, and land development and syndication. This course may not be applied toward the DRE Salesperson license.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
- EWRT 211 and READ 211, or ESL 272 and ESL D273.
- MATH 212 or equivalent.

Advisory(ies)
REST 50

Student Learning Outcomes
- Identify, analyze and evaluate real estate investments and construct cash flow models utilizing discounted cash flows for analysis of economic viability of investment property.
- Evaluate the risks and returns of real estate investment in residential, commercial, industrial properties as well as land development.
- Explain and evaluate the taxation and financing issues in the acquisition, ownership and sale of real estate investments.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

RUSS 1

Elementary Russian (First Quarter)

5.0 Units

Introduction to the language and culture of Russia. Basic speaking, listening, reading and writing of Russian will be introduced and practiced within a cultural framework. Emphasis will be on language as an expression of culture. Oral practice and conversation based on understanding of the language structure. Language laboratory practice will be part of the regular instruction to reinforce pronunciation, grammar, syntax and simple conversation.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate a working command of essential vocabulary and language structures necessary to request and provide, orally and in writing, basic/simple information relating to high-frequency situations in familiar contexts.
- Comprehend short, simple texts on familiar topics, relying on contextual clues to extract the gist and some detail.
- Compose comprehensible, simple phrases or sentences about familiar topics to reflect a working command of core vocabulary and language structures.
- Demonstrate a cursory grasp of social protocols and contributions of russian-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

RUSS 2

Elementary Russian (Second Quarter)

5.0 Units

Further development of material presented in RUSS D001. Continuation of introduction to the language and culture of the Russian Federation. Elementary speaking, listening, reading, and writing of Russian will be continued and practiced within a cultural framework. The emphasis will be on language as an expression of culture. Language laboratory practice to reinforce pronunciation, grammar, syntax, and simple conversation.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
RUSS 1 (equivalent to one year of high school Russian) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate a greater working command of essential vocabulary and language structures necessary to request and provide, orally and in writing, an increasing range of basic/simple information relating to high-frequency situations in familiar contexts such as describing houses or apartments, asking for directions, expressing locations, taking about working and going to school, playing sports, music, expressing opinions, permissions and prohibitions, making polite inquiries.
- Comprehend short, simple texts on familiar topics, relying on contextual clues to extract the gist and an increasing amount of detail.
- Compose comprehensible, simple sentences about familiar topics to reflect a greater working command of core vocabulary and language structures.
- Demonstrate a deeper grasp of social protocols and contributions of Russian-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

RUSS 3

Elementary Russian (Third Quarter)

5.0 Units

Further development of material presented in RUSS D001. and RUSS D002. Completion of introduction to the language and culture of Russia. Elementary speaking, listening, reading, and writing of Russian will be continued and practiced within a cultural framework. Emphasis will be on language as an expression of culture. Language laboratory will be practiced to reinforce pronunciation, grammar, syntax and conversations.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
RUSS 2 (equivalent to two years of high school Russian) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate a somewhat consistent working command of essential vocabulary and language structures necessary to request and provide, orally and in writing, a more complex/abstract range of information relating to high-frequency situations in familiar contexts.
- Comprehend longer, simple texts on familiar topics, relying on contextual clues to extract main ideas and supporting details.
- Compose comprehensible, more complex sentences about familiar topics to reflect a somewhat consistent working command of core vocabulary and language structures.
- Demonstrate an increasingly accurate grasp of social protocols and contributions of Russian-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

SIGN 1

Elementary American Sign Language (First Quarter)

5.0 Units

The course provides an introduction to American Sign Language including expressive and receptive sign, the manual alphabet, facial expression, and body gestures with emphasis is on conversational skills in functional situations.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Distinguish basic linguistic principles of American Sign Language and to formulate thoughts and phrases utilizing visual and gestural language skills.
- Understand and apply the grammatical principles of American Sign Language structures introduced and demonstrate communicative competence in language functions through targeted social interactions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

SIGN 2

Elementary American Sign Language (Second Quarter)

5.0 Units

This course builds on basic principles and vocabulary introduced in SIGN D001. Students will further develop skills including expressive and receptive sign, the manual alphabet, facial expression, and body gestures. An emphasis will be placed on conversational skills in functional situations, continued vocabulary and grammatical expression development, and the knowledge of Deaf culture and community.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
SIGN 1 or equivalent

Student Learning Outcomes

- Students will be able to give directions; describe other people; make requests; describe family and occupations; attribute qualities to others; describe routines; explain issues within the deaf culture and community.
- Relate an understanding of Deaf culture and history to language and integrate this in interaction with members of the Deaf community.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

SIGN 3
Elementary American Sign Language (Third Quarter)

5.0 Units

This course expands vocabulary and grammatical skills, both receptive and expressive, using ASL I and II as a base. Students will further develop conversational skills in functional situations, and lead to an appreciation of Deaf culture and history.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
SIGN 2 or equivalent

Student Learning Outcomes
- Use ASL to identify and locate things around the house; make suggestions, requests, and register complaints; exchange personal information; and explain issues within deaf culture and community.
- Comprehend the grammatical structure of American Sign Language and increase communication functionality in a multitude of social contexts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

SKIL 50
How to Succeed in an Online Class

1.0 Units

Preparation and practice to succeed in fully- and partially-online classes. Self-assessment of readiness for online learning. Development of a personal plan for online success. Practice in the De Anza College Canvas course management system including participation in online communication, submission of assignments, and taking of online tests.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Use a course management system to complete course activities.
- Interact with the instructor and classmates in the online environment.
- Assess personal readiness for success in online courses.
- Create a plan for online success.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

SKIL 232
Adjunct Study Skills

0.5 Units

Introductory small group collaborative instruction linked to specific content courses and individualized study skills lab modules. Student must be concurrently enrolled in an approved content course. Students learn, practice, and apply to targeted courses skills such as time management, textbook reading, note taking, and test taking.

Course Information

Transferability
Not transferable

Student Learning Outcomes
- In the context of each students' individual needs, students will be able to identify their academic learning skills strengths and weaknesses.
- In the context of each students' individual needs, students will be able to apply effective study strategies to increase their success in content course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

SKIL 233
Adjunct Study Skills Practice

0.5 Units

Additional practice in small group collaborative instruction linked to specific content courses and individualized study skills lab modules. Student must be enrolled in an approved content course. Students advance, practice, and apply to targeted courses skills such as time management, textbook reading, note taking, and test taking.

Course Information

Transferability
Not transferable

Student Learning Outcomes
- In the context of each students' individual needs, students will be able to identify their academic learning skills strengths and weaknesses.
- In the context of each students' individual needs students will be able to apply effective study strategies to increase their success in content course.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

SOC 1
Introduction to Sociology

4.0 Units

The sociological approach to the study of human behavior from a variety of perspectives. Explores important concepts in sociology, including culture, social structure, socialization, social institutions, social interaction, social inequality, intersectionality, collective behavior, and social change in human societies.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Develop a sociological imagination, which is the ability to evaluate the effects of cultural, structural, historical, geographical, institutional and stratification processes on groups and individuals, including one's own experiences.
- Distinguish the sociological perspective from other sciences, including its methods, theories and empathetic standpoint.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

SOC 5
Sociology of Globalization and Social Change

4.0 Units

An introduction to the sociological study of globalization and other forms of social change. Macrosociological analysis of economic, political, military, cultural, technological, and environmental aspects of globalization; history of globalization, European colonialism and decolonization processes; impact of multinational corporations and global political and financial institutions, and social movements from cross-cultural and global perspectives.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Develop a sociological imagination, which is the ability to evaluate the effects of cultural, structural, historical, geographical, institutional and stratification processes on groups and individuals, including one's own experiences.
- Distinguish the sociological perspective from other sciences, including its methods, theories and empathetic standpoint.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

SOC 14
The Process of Social Research

4.0 Units

An examination of the application of the scientific method to understanding social phenomena. Explores important processes in social research including the selection and definition of problems of investigation, ethics in research, the relationship between theory and data, and quantitative and qualitative data-gathering and data analysis techniques.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Formerly Statement
(Formerly SOC D064.)

Prerequisite(s)
SOC 1

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
SOC 15, PSYC 15, MATH 10 or MATH 10H

Student Learning Outcomes
- Distinguish the sociological perspective from other sciences, including its methods, theories and empathetic standpoint.
- Responsibly and ethically apply the scientific method to the study of social life.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours | Course Out-of-Class Hours

Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

SOC 15
Statistics and Research Methods in Social Science

4.0 Units

This course examines elementary statistics including measures of central tendency, variability, probability, correlation, tests of significance, and hypothesis testing.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
PSYC 1 or SOC 1; Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent

Prerequisite(s)
PSYC 1 or SOC 1; Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Demonstrate and explain the fundamental concepts of descriptive and inferential statistics as well as the major assumptions and methods of scientific analysis.
- Describe and demonstrate various measurement concepts appropriate to different types of research data.
- Graph and interpret basic frequency distributions,calculate and explain measures of central tendency and variablity.
- Describe the basic properties of the normal curve and standard scores.
- Calculate and apply linear regression, correlation, random sampling and probability analysis.
- Describe various methods of hypothesis testing, from the three primary varieties of Student's T-test to analysis of variance.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

SOC 20
Social Problems

4.0 Units

An exploration of sociological perspectives on contemporary social problems. The social processes through which issues come to be viewed as social problems and the dynamics through which groups attempt to respond to and solve these problems will be examined.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Develop a sociological imagination, which is the ability to evaluate the effects of cultural, structural, historical, geographical, institutional and stratification processes on groups and individuals, including one's own experiences.
- Distinguish the sociological perspective from other sciences, including its methods, theories and empathetic standpoint.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

SOC 28
Sociology of Gender

4.0 Units

Application of sociological perspectives to an understanding of gender. Focuses on the social construction of gender and on gender as an organizing principle of social life. Includes investigation of masculinities, femininities and trans identities, gender socialization, gender inequality, how gender is shaped by race, class, nation and sexuality, and the family, media, education, economics, politics and religion as gendered institutions, from a cross-cultural and global perspective.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Develop a sociological imagination, which is the ability to evaluate the effects of cultural, structural, historical, geographical, institutional and stratification processes on groups and individuals, including one's own experiences.
- Distinguish the sociological perspective from other sciences, including its methods, theories and empathetic standpoint.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

SOC 29
Sociology of Structural Racism in the United States

4.0 Units

Sociological investigation into the socio-historical development of race and ethnicity as analytical categories and organizing principles in the U.S. Emphasis on the impact of racialized public policies and structural practices on past and contemporary structures in U.S. society. Analysis of socio-legal effects of the Civil Rights Movement, public policy and its impact on diverse racial and ethnic populations in the U.S. Demographic implications of race and ethnic relations on major social institutions in the United States. Historical and sociological assessment of majority–minority relations with emphasis on the experiences of African-Americans, Hispanic/Latino-Americans, Asian-Americans and the indigenous Native American tribes, and mixed-race populations. Exploration of intersectional relationships between categories of labor, race, ethnicity, and gender.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Explain processes of social construction with regard to race and ethnicity.
- Apply sociological theory to an analysis of majority-minority relations and/or migration.
- Describe the impact of racialized public policy on contemporary structure of U.S. society.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

SOC 35
Marriage, Family, and Intimate Relationships

4.0 Units

This is a sociological investigation and analysis of the diversity of family structures and intimate relationships in society. Topics include the history of the family, gender socialization and inequality, dating, divorce and remarriage, gay and lesbian relationships, the family as an economic unit, communication and conflict resolution, sexuality, interracial relationships, and domestic violence.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Develop a sociological imagination, which is the ability to evaluate the effects of cultural, structural, historical, geographical, institutional and stratification processes on groups and individuals, including one's own experiences.
- Distinguish the sociological perspective from other sciences, including its methods, theories and empathetic standpoint.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

SOC 51
Women in Crime

4.0 Units

An examination of the changing role of women in crime with emphasis on gender and cultural based differences related to victims, offenders and criminal justice professionals.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Describe and appraise the historical impact of women as criminal justice professionals.
- Identify the causation factors which generate criminal behavior by female offenders.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

SOC 54
Youth and the Law

4.0 Units

A legal and sociological approach to understanding the causes of juvenile delinquency; an examination of race, culture, and gender in juvenile delinquency; community responses to delinquency; organization, functions, and jurisdiction of both social and legal agencies; processing and detention; case disposition; statutes and court procedures.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)

EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Analyze the sociological principles regarding the causation of juvenile crime and delinquency.
- Identify those laws that relate to juvenile offences and critique how they impact youthful offenders.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

SOC 73
Crime and Criminology

4.0 Units

This course introduces the major types of crime and criminal behavior, examining demographics and measurement of crime, theories of causation and victimization, crime prevention, and crime control.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Analyze the historical nature and measurement of criminal behavior within society.
- Identify and compare the biological, psychological, and sociological explanations of crime.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

SOC 77X
Special Projects in Sociology

2.0 Units

This course consists of individual or group projects in sociology that deal with one or more aspects of the field of sociology.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes

- Develop a sociological imagination, which is the ability to evaluate the effects of cultural, structural, historical, geographical and institutional and stratification processes on groups and individuals, including one's own experiences.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

SOC 77Y
Special Projects in Sociology

3.0 Units

This course consists of individual or group projects in sociology that deal with one or more aspects of the field of sociology.

Course Information

Transferability
Transferable to CSU only

Limitation(s) on Enrollment
(Consent of instructor and division dean and an approved Special Projects Contract is required.)

Student Learning Outcomes

- Develop a sociological imagination, which is the ability to evaluate the effects of cultural, structural, historical, geographical and institutional and stratification processes on groups and individuals, including one's own experiences.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

SOC 97A

The Art of Protest - FYE, Puente and Umoja

1.0 Units

Explores topics in social problems and social movements from a sociological perspective. Addresses various theories of Social Problems and Movements as well as tools, strategies and processes of successful social movements including (but not limited to) political or movement art, collective and direct action, claims making campaigns, and coalition building.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
Student must also enroll in a designated First Year Experience, Puente or Umoja section of SOC 20

Student Learning Outcomes

- Distinguish a sociological approach to the study of art and culture from other more humanistic, aesthetic or literary approaches.
- Identify more than one type of social movement.
- Analyze social problems and social movements through various theoretical approaches within sociology.
- Illustrate the importance of culture in shaping social problems and social movements.
- Evaluate the different rhetorical strategies social movements use to meet their objectives.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

SOC 97B

Institutional Inequality - FYE, Puente and Umoja

1.0 Units

Analysis of social institutions in American society through a sociological perspective with an emphasis on education and its interaction with other institutions. Investigates the processes through which social institutions reproduce race, class and gender inequality in society.

Course Information

Transferability
Transferable to CSU only

Corequisite(s)
Student must also enroll in a designated First Year Experience, Puente or Umoja section of SOC 1

Student Learning Outcomes

- Apply a sociological perspective to the study of social institutions.
- Explain how inequality in education connects to inequality in other institutions.
- Evaluate how race, class and gender operate to shape opportunities and chances within social institutions, particularly in education.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.0	2.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours

Course Out-of-Class Hours

Lecture	12.0	**Lecture**	24.0
Laboratory	0.0	**Laboratory**	0.0
Total	12.0	**Total**	24.0

SOSC 60A

Introduction to Community Organizing

4.0 Units

Community organizing efforts by people working together to improve their campuses, neighborhoods, and cities is the focus of this course. The course prepares students at an introductory level to become professional organizers, campus leaders, and effective citizen advocates. The introductory history, theory, and different approaches to grassroots community organizing sometimes using selected case studies as illustration will be explored. Ideas from the current context for organizing, the impact of social change theories, organizing strategies, tools and new methodologies used in community organizing will be analyzed and then applied.(Off campus field trips may be required.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Evaluate community organizing processes and outcomes at an introductory level.
- Assess how individuals and groups can affect community organizing processes and outcomes at an introductory level.
- Demonstrate the capacity to participate effectively in community organizing at an introductory level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours

Course Out-of-Class Hours

Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

SOSC 60B

Intermediate Community Organizing

4.0 Units

Community organizing efforts by people working together to improve their campuses, neighborhoods, and cities is the focus of this course. The course prepares students at an intermediate level to become professional organizers, campus leaders, and effective citizen advocates. The history, theory, and different approaches to grassroots community organizing, sometimes using selected case studies as illustration, will be explored at an intermediate level. Ideas from the current context for organizing, the impact of social change theories, organizing strategies, tools and new methodologies used in community organizing will be analyzed and then applied.(Off campus field trips may be required.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
POLI 60A or SOSC 60A

Advisory(ies)
POLI 60A or SOSC 60A

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Evaluate community organizing processes and outcomes at an intermediate level.
- Assess how individuals and groups can affect community organizing processes and outcomes at an intermediate level.
- Demonstrate the capacity to participate effectively in community organizing at an intermediate level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

SOSC 60C
Advanced Community Organizing

4.0 Units

Community organizing efforts by people working together to improve their campuses, neighborhoods, and cities is the focus of this course. The course prepares students at an advanced level to become professional organizers, campus leaders, and effective citizen advocates. The history, theory, and different approaches to grassroots community organizing, sometimes using selected case studies as illustration, will be explored at an advanced level. Ideas from the current context for organizing, the impact of social change theories, organizing strategies, tools and new methodologies used in community organizing will be analyzed and then applied.(Off campus field trips may be required.)

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
POLI 60B or SOSC 60B

Advisory(ies)
POLI 60B or SOSC 60B

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Evaluate community organizing processes and outcomes at an advanced level.
- Assess how individuals and groups can affect community organizing processes and outcomes at an advanced level.
- Demonstrate the capacity to participate effectively in community organizing at an advanced level.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

SOSC 80
Community Based Learning in Social Sciences - Historical

0.5 Units

Practical work with a community, business or civic institution and reflection on that activity, which analyzes that work from a historical perspective.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Analyze, using historical concepts, the social and cultural forces that impact their communities.
- Explore, using historical concepts, complex real world situations.
- Organize to make a difference in their communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

SOSC 80W
Community Based Learning in Social Sciences - Historical

1.0 Units

Practical work with a community, business or civic institution and reflection on that activity, which analyzes that work from a historical perspective.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Analyze, using historical concepts, the social and cultural forces that impact their communities.
- Explore, using historical concepts, complex real world situations.

- Organize to make a difference in their communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

SOSC 80X
Community Based Learning in Social Sciences - Historical

2.0 Units

Practical work with a community, business or civic institution and reflection on that activity, which analyzes that work from a historical perspective.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Analyze, using historical concepts, the social and cultural forces that impact their communities.
- Explore, using historical concepts, complex real world situations.
- Organize to make a difference in their communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

SOSC 80Y
Community Based Learning in Social Sciences - Historical

3.0 Units

Practical work with a community, business or civic institution and reflection on that activity, which analyzes that work from a historical perspective.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Analyze, using historical concepts, the social and cultural forces that impact their communities.
- Explore, using historical concepts, complex real world situations.
- Organize to make a difference in their communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

SOSC 80Z
Community Based Learning in Social Sciences - Historical

4.0 Units

Practical work with a community, business or civic institution and reflection on that activity, which analyzes that work from a historical perspective.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Analyze, using historical concepts, the social and cultural forces that impact their communities.
- Explore, using historical concepts, complex real world situations.
- Organize to make a difference in their communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

SOSC 82
Community Based Learning in Social Sciences - Philosophical

0.5 Units

Practical work with a community, business or civic institution and philosophical reflection on that activity.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Analyze, using a philosophical perspective, the cultural and social forces that impact their communities.
- Explore, using a philosophical perspective, real world situations that involve Social Sciences.
- Organize to make a difference in their communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

SOSC 82W

Community Based Learning in Social Sciences - Philosophical

1.0 Units

Practical work with a community, business or civic institution and philosophical reflection on that activity.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Analyze, using a philosophical perspective, the cultural and social forces that impact their communities.
- Explore, using a philosophical perspective, real world situations that involve Social Sciences.
- Organize to make a difference in their communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

SOSC 82X

Community Based Learning in Social Sciences - Philosophical

2.0 Units

Practical work with a community, business or civic institution and philosophical reflection on that activity.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Analyze, using a philosophical perspective, the cultural and social forces that impact their communities.
- Explore, using a philosophical perspective, real world situations that involve Social Sciences.
- Organize to make a difference in their communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

SOSC 82Y

Community Based Learning in Social Sciences - Philosophical

3.0 Units

Practical work with a community, business or civic institution and philosophical reflection on that activity.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Analyze, using a philosophical perspective, the cultural and social forces that impact their communities.
- Explore, using a philosophical perspective, real world situations that involve Social Sciences.
- Organize to make a difference in their communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

SOSC 82Z

Community Based Learning in Social Sciences - Philosophical

4.0 Units

Practical work with a community, business or civic institution and philosophical reflection on that activity.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Analyze, using a philosophical perspective, the cultural and social forces that impact their communities.
- Explore, using a philosophical perspective, real world situations that involve Social Sciences.
- Organize to make a difference in their communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

SOSC 83
Community Based Learning in Social Sciences - Sociological

0.5 Units

Practical work with a community, business, or civic institution and sociological reflection on that activity.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Analyze, using a sociological perspective, the cultural and social forces that impact their communities.
- Explore, using a sociological perspective, real world situations that involve social sciences.
- Organize to make a difference in their communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	18.0	**Laboratory**	0.0
Total	18.0	**Total**	0.0

SOSC 83W
Community Based Learning in Social Sciences - Sociological

1.0 Units

Practical work with a community, business, or civic institution and sociological reflection on that activity.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Analyze, using a sociological perspective, the cultural and social forces that impact their communities.
- Explore, using a sociological perspective, real world situations that involve social sciences.
- Organize to make a difference in their communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	36.0	**Laboratory**	0.0
Total	36.0	**Total**	0.0

SOSC 83X
Community Based Learning in Social Sciences - Sociological

2.0 Units

Practical work with a community, business, or civic institution and sociological reflection on that activity.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Analyze, using a sociological perspective, the cultural and social forces that impact their communities.
- Explore, using a sociological perspective, real world situations that involve social sciences.
- Organize to make a difference in their communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	6.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	72.0	**Laboratory**	0.0
Total	72.0	**Total**	0.0

SOSC 83Y
Community Based Learning in Social Sciences - Sociological

3.0 Units

Practical work with a community, business, or civic institution and sociological reflection on that activity.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Analyze, using a sociological perspective, the cultural and social forces that impact their communities.
- Explore, using a sociological perspective, real world situations that involve social sciences.
- Organize to make a difference in their communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	108.0	**Laboratory**	0.0
Total	108.0	**Total**	0.0

SOSC 83Z

Community Based Learning in Social Sciences - Sociological

4.0 Units

Practical work with a community, business, or civic institution and sociological reflection on that activity.

Course Information

Transferability
Transferable to CSU only

Student Learning Outcomes
- Analyze, using a sociological perspective, the cultural and social forces that impact their communities.
- Explore, using a sociological perspective, real world situations that involve social sciences.
- Organize to make a difference in their communities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	12.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	0.0	**Lecture**	0.0
Laboratory	144.0	**Laboratory**	0.0
Total	144.0	**Total**	0.0

SPAN 1

Elementary Spanish (First Quarter)

5.0 Units

This course is an introduction to the language and cultures of Spanish-speaking world areas and Spanish is the primary language of instruction. Speaking, listening, reading and writing language skills at the first-level of elementary Spanish are developed within the framework of language as a fundamental expression of culture. Language laboratory practice and/or assignments, at home and/or in the language lab, are an integral part of instruction supporting the development of language skills in the areas of pronunciation, structure, syntax, and oral communication.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Understand the gist and recognize basic details of simple aural / written texts adapted for learners on familiar topics.
- Perform with some hesitation a variety of communicative tasks dealing with basic routines and day-to-day social situations in the present. Produce simple phrases or sentences related to personal experiences. Both orally and in writing, basic errors may impede comprehensibility.
- Engage critically with constructions of cultural and social differences while examining their own cultural positionings and assumptions as expressed through language.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

SPAN 2

Elementary Spanish (Second Quarter)

5.0 Units

This course focuses on the development of elementary language skills for oral and written communication using language structures and functions targeted for the second-level of elementary Spanish. Spanish is the primary language of instruction. Speaking, listening, reading and writing skills at the second-level of elementary Spanish will be developed within the framework of language as a fundamental expression of culture, with a continued presence of the cultures of Spanish-speaking world areas. Language laboratory practice and/or assignments at home and/or in the language lab, are an integral part of instruction supporting the development of language skills in the areas of pronunciation, structure, syntax, and oral communication.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
SPAN 1 (equivalent to one year of high school Spanish) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Understand the gist and some supporting details of simple aural / written texts adapted for learners on familiar topics, although comprehension may be uneven.
- Perform with increasing ease a variety of communicative tasks dealing with basic routines and day-to-day social situations in the present. Produce comprehensible sentences of increasing complexity related to personal experiences, with some references to past experiences. Both orally and in writing, errors may still impede full comprehensibility.
- Engage critically with constructions of cultural and social differences while examining their own cultural positionings and assumptions as expressed through language.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

SPAN 3

Elementary Spanish (Third Quarter)

5.0 Units

This course will examine the development of elementary language skills for oral and written communication using language structures and functions targeted for the third-level of elementary Spanish. Spanish is the working language. Greater structural accuracy and communicative competence within the framework of language as a fundamental aspect of culture is the focus of the course. Language laboratory practice and/or assignments at home and/or in the language lab are an integral part of instruction, supporting the development of language skills in the areas of pronunciation, structure, syntax and oral communication.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
SPAN 2 (equivalent to two years of high school Spanish) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Understand the main ideas and most supporting details of longer, aural / written texts adapted for learners on familiar topics and minimally interpret some basic textual subtleties in structure and perspective.
- Perform with ease a variety of communicative tasks dealing with basic routines and day-to-day social situations; describe personal experiences in the present with some references to the past; express basic opinions about abstract topics. Produce discourse level writing related to personal experiences. Both orally and in writing, errors minimally interfere with comprehensibility.
- Engage critically with constructions of cultural and social differences while examining their own cultural positionings and assumptions as expressed through language.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

SPAN 4

Intermediate Spanish (First Quarter)

5.0 Units

This course focuses on the readings and discussions of texts dealing with the literature, arts, culture, history, and geography of the Spanish-speaking world. Students will review and expand on the structures, grammatical features and linguistic functions of elementary Spanish and will develop their reading, writing, speaking and listening skills at the first intermediate-level within the framework of language as a fundamental expression of culture.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
SPAN 3 (equivalent to three years of high school Spanish) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Understand main ideas and supporting details of longer aural / written texts adapted for learners and the gist of texts written for first language users. Interpret some basic textual subtleties in structure, content, and perspective.
- Describe with increasing ease personal experiences in both the present and the past; express opinions about abstract topics. Produce discourse level writing related to personal experiences and express opinions about abstract topics. Both orally and in writing errors are still present in more sophisticated structures that may impede full comprehensibility.
- Engage critically with constructions of cultural and social differences while examining one's own cultural positionings and assumptions as expressed through language.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

SPAN 5

Intermediate Spanish (Second Quarter)

5.0 Units

This course focuses on the readings and discussions of texts dealing with the literature, arts, culture, history, and geography of the Spanish-speaking world. Students will review and expand on the structures, grammatical features and linguistic functions of SPAN D004. and will develop their reading, writing, speaking and listening skills at the second intermediate-level within the framework of language as a fundamental expression of culture.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
SPAN 4 (equivalent to four years of high school Spanish) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Recognize main ideas and some supporting details of aural / written texts composed for first language users, although comprehension may be uneven. Interpret more extensively textual subtleties in structure, content, and perspective.
- Describe with ease personal experiences in the present and the past; express opinions about abstract topics. Produce discourse level writing related to opinions on abstract topics. Both orally and in writing, errors are still present in more sophisticated structures that minimally impede comprehensibility.
- Engage critically with constructions of cultural and social differences while examining their own cultural positionings and assumptions as expressed through language.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

SPAN 6

Intermediate Spanish (Third Quarter)

5.0 Units

This course focuses on the readings and discussions of texts dealing with the literature, arts, culture, history, and geography of the Spanish-speaking world. Students will review and expand on the structures, grammatical features and linguistic functions of SPAN D005. and will develop their reading, writing, speaking and listening skills at the third intermediate-level within the framework of language as a fundamental expression of culture.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
SPAN 5 or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Understand main ideas and some supporting details of aural / written texts composed for for first language users. Interpret a wide range of textual subtleties in structure, content, and perspective.
- Express opinions about abstract topics in the present and the past. Produce paragraph-level discourse related to abstract topics. Both orally and in writing, errors minimally impede comprehensibility.
- Engage critically with constructions of cultural and social differences while examining their own cultural positionings and assumptions as expressed through language.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

THEA 1

Appreciation of Theatre

4.0 Units

This is an introduction to theatre from an audience perspective. Students will examine elements of dramatic art form and play production, including dramatic theory, language, space, plot, characterization, technical theatre, acting, directing, playwriting, design, and the relationship with other art forms. The course includes drama written from diverse cultural and historical perspectives. Attendance at assigned performances required.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Analyze and integrate his/her own artistic standards as they relate to theatrical performance and criticism.
- Develop abilities to use examples from theatrical performances in order to illustrate his/her own artistic standards.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

THEA 20A

Theory and Technique of Acting (Introduction)

4.0 Units

This course examines the basic theory and techniques of acting, along with the actor's range of choices within the framework of scenarios and improvisation. Students will conduct a beginning analysis of acting styles and methods from diverse cultural and historical perspectives.

Course Information

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Develop the voice and body as an instrument of expression while gaining confidence through the experience of interaction and audience performance.
- Demonstrate ability to analyze text and performance content for self-advancement.
- Develop critical thinking and interpersonal communication skills as well as diversity perspectives through collaborative projects.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

THEA 20B

Theory and Technique of Acting (Modern Period)

4.0 Units

This course is a continued study of the acting process, including extensive participation in the performance of contemporary dramatic scripts from diverse theatre traditions.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
THEA 20A

Student Learning Outcomes

- Utilize more advanced techniques to develop the voice and body as instruments of expression while gaining confidence through the experience of interaction and audience performance.
- Develop critical thinking and interpersonal communication skills as well as diversity perspectives through collaborative projects.
- Apply more advanced, modern acting theories as well as analyze more advanced modern text.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

THEA 20C

Theory and Technique of Acting (Classic Period)

4.0 Units

This is a continuation of acting study including extensive participation in the performance of selected scenes from classic period plays of diverse theatre traditions.

Course Information

Transferability
Transferable to both UC and CSU

Prerequisite(s)
THEA 20A

Advisory(ies)
THEA 20B

Student Learning Outcomes
- Utilize more advanced, classical techniques to develop the voice and body as instruments of expression while gaining confidence through the experience of interaction and audience performance.
- Develop critical thinking and interpersonal communication skills as well as diversity perspectives through collaborative projects.
- Apply classical acting theories and techniques.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

THEA 80A

Theory and Technique of Acting for the Camera

4.0 Units

The basic fundamentals of acting for the camera are explored. Exercises, demonstrations, and improvisations are used to practice the techniques of acting. Scenes are rehearsed, recorded and critiqued.

Course Information

Transferability
Transferable to CSU only

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Recognize the process by which actors are interviewed, auditioned, cast and utilized for all forms of media production.
- Distinguish and practice effective body movement and voice modulation as it pertains to camera acting styles, camera angle and shot size and continuity of takes.
- Demonstrate the basic skills in the practice and performance of script work for the camera, and the subsequent critiquing of the work, including self evaluation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

THEA 80B

Theory and Technique of Advanced Acting for the Camera

4.0 Units

A continuation of Acting for the Camera through further exploration of equipment used in media performance: green screen acting, ear prompting, teleprompting and microphone applications in voice recording and voice over. Continued exploration and skill building of techniques used in performance before the camera including but not limited to advanced character development, make-up techniques and special problems in character preparation for feature film.

Course Information

Transferability
Transferable to CSU only

Prerequisite(s)
THEA 80A

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Recognize the process by which actors are interviewed, auditioned, cast and utilized for all forms of media production.
- Distinguish and practice effective body movement and voice modulation as it pertains to camera acting styles, camera angle and shot size, and continuity of takes.
- Demonstrate advanced skills in the practice and performance of script work for the camera, and the subsequent critiquing of the work, including self-evaluation.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	36.0	**Lecture**	72.0
Laboratory	36.0	**Laboratory**	0.0
Total	72.0	**Total**	72.0

VIET 1

Elementary Vietnamese (First Quarter)

5.0 Units

This is an introduction to the language and cultures of Vietnam and Vietnamese communities. Basic Vietnamese will be introduced and practiced within a cultural framework to help develop the four major linguistic skills of listening, speaking, reading, and writing. Vietnamese will be the primary language of instruction. Emphasis will be on language as an expression of culture and a medium of communication.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate a working command of essential vocabulary and language structures necessary to request and provide, orally and in writing, basic/simple information relating to high-frequency situations in familiar contexts.
- Derive meaning from short, simple texts on familiar topics, relying on contextual clues to extract the gist and some detail.
- Compose comprehensible, simple phrases or sentences about familiar topics to reflect a working command of core vocabulary and language structures.
- Demonstrate a cursory grasp of social protocols and contributions of Vietnamese-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

VIET 2
Elementary Vietnamese (Second Quarter)

5.0 Units

This course provides further development of the materials presented in VIET 1, continuing the student's introduction to the language and cultures of Vietnam and Vietnamese communities. Practice in speaking, listening, reading, and writing will be continued within a cultural framework. Vietnamese will be the primary language of instruction. Emphasis will be on language as an expression of culture and a medium of communication.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
VIET 1 (equivalent to one year of high school Vietnamese) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate a greater working command of essential vocabulary and language structures necessary to request and provide, orally and in writing, an increasing range of basic/simple information relating to high-frequency situations in familiar contexts.
- Derive meaning from short, simple texts on familiar topics, relying on contextual clues to extract the gist and an increasing amount of detail.
- Compose comprehensible, simple sentences about familiar topics to reflect a greater working command of core vocabulary and language structures.
- Demonstrate a deeper grasp of social protocols and contributions of Vietnamese-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

VIET 3
Elementary Vietnamese (Third Quarter)

5.0 Units

This course provides further development of the topics and materials presented in VIET 1 and VIET 2. Basic Vietnamese will be further introduced and practiced within a cultural framework to help improve the four major linguistic skills of listening, speaking, reading, and writing. The course will also include an introduction to proverbs and literary texts for a better examination and appreciation of the Vietnamese people in terms of their language, culture, life, and civilization.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
VIET 2 (equivalent to two years of high school Vietnamese) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes

- Demonstrate a somewhat consistent working command of essential vocabulary and language structures necessary to request and provide, orally and in writing, a more complex/abstract range of information relating to high-frequency situations in familiar contexts.
- Derive meaning from longer, simple texts on familiar topics, relying on contextual clues to extract main ideas and supporting details.
- Compose comprehensible, more complex sentences about familiar topics to reflect a somewhat consistent working command of core vocabulary and language structures.
- Demonstrate an increasingly accurate grasp of social protocols and contributions of Vietnamese-speaking cultures, by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

VIET 4
Intermediate Vietnamese (First Quarter)

5.0 Units

Students in this course will read and discuss texts dealing with the literature, arts, geography, history, and culture of the Vietnamese-speaking world. The class will review the linguistic functions and grammar structures of first-year Vietnamese. Materials suitable for the development of the four major linguistic skills of speaking, listening, reading, and writing at the low intermediate level of Vietnamese will be introduced and practiced within a cultural framework.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
VIET 3 (equivalent to three years of high school Vietnamese) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate an increasingly consistent command of essential vocabulary and language structures necessary to request and provide, orally and in writing, an expanding range of somewhat sophisticated information.
- Derive meaning from longer texts of increasing complexity, relying less on contextual clues to extract main ideas and supporting details, and to interpret some subtleties in the text.
- Compose comprehensible, paragraph-level discourse about familiar topics to reflect an increasingly consistent command of vocabulary and language structures.
- Demonstrate an increasingly accurate grasp of the subtleties in the idiosyncracies of Vietnamese-speaking cultures by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

VIET 5
Intermediate Vietnamese (Second Quarter)

5.0 Units

This course is a continuation of VIET 4, with a review of linguistic functions and further discussion of grammatical features beyond the low intermediate level. The course includes the development of reading, writing, speaking, and listening skills at the mid intermediate level needed to spontaneously request and provide a greater range of more sophisticated information. Students will read and discuss texts dealing with the geography, history, literature, social and cultural practices of the Vietnamese-speaking world.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
VIET 4 (equivalent to four years of high school Vietnamese) or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate a somewhat sustained command of vocabulary and language structures necessary to spontaneously request and provide, orally and in writing, a greater range of more sophisticated information.
- Derive meaning from texts of greater sophistication to interpret an expanding range of subtleties in the structure and content of the text.
- Compose extended paragraph-level discourse about various topics to reflect a somewhat sustained command of vocabulary and language structures.
- Demonstrate a noticeably accurate grasp of the subtleties in the idiosyncracies of Vietnamese-speaking cultures by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

VIET 6
Intermediate Vietnamese (Third Quarter)

5.0 Units

This is a continuation of subjects covered in VIET 5, with a complete review of the linguistic functions and grammar structures of Vietnamese and further discussion of grammatical features needed to spontaneously and accurately request and provide information, orally and in writing, about a wide variety of topics. Students will develop reading, writing, speaking, and listening skills at the high intermediate level. Topics include analysis and discussion of texts dealing with literature, arts, history, and culture of the Vietnamese-speaking world.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Prerequisite(s)
VIET 5 or equivalent

Advisory(ies)
EWRT 211 and READ 211, or ESL 272 and ESL D273.

Student Learning Outcomes
- Demonstrate a sustained command of vocabulary and language structures necessary to spontaneously and accurately request and provide information, orally and in writing, about a wide variety of topics.
- Derive meaning from increasingly abstract texts to interpret a wide range of subtleties in the structure and content of the text.
- Compose lengthier and more accurate dicourse about various topics to reflect a sustained command of vocabulary and language structures.
- Demonstrate a steady grasp of the subtleties in the idiosyncracies of Vietnamese-speaking cultures by analyzing and comparing them to one's own culture(s).

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	60.0	**Lecture**	120.0
Laboratory	0.0	**Laboratory**	0.0
Total	60.0	**Total**	120.0

WMST 1
Introduction to Women's Studies

4.0 Units

An examination of the varying positions of women in society, emphasizing the diverse nature of women's experiences. Includes investigation of family, work, embodiment, popular culture and social movements. Focuses on power and gender roles and how they vary for women and men of different racial, ethnic, class, national and sexuality groups.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Students will analyze core values of Women's Studies in a multicultural and class sensitive manner, including feminism, 'voice', consciousness-raising, and others of the instructor's choice.
- Students will research local organizations which support women's goals, and engage in community activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

WMST 3C
Women and Art

4.0 Units

This course examines the history of women in relation to society and the visual arts from prehistory to the present, across a range of cultures. Obstacles faced by women artists are explored, as well as contributions made by women artists, and art in which women serve as subject matter.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Students will analyze the social experiences of artists, demonstrating how artists' relationships with their patrons was a defining factor in the production of works of art.
- Students will demonstrate visual literacy and critical thinking skills by evaluating diverse scholarly perspectives when interpreting of works of art.
- Students will investigate different techniques utilized in the production of works of art through written analysis based on firsthand evaluation of original art objects.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

WMST 8
Women of Color in the USA

4.0 Units

This course is an interdisciplinary, multi-perspective, and comparative study of the experiences of women of color in the United States, including African American, Asian American Pacific Islander, Latina, and Native American women. The constructs of race, ethnicity, class, gender, and sexuality as they relate to social institutions and national ideologies will be explored. The examination and analysis of the historical, political, and economic influences that have informed the relationships between women of color and white women in the U.S.A., is foundational to this course.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Analyze and explain the social construction of race, class, gender, and sexuality and the impact of racism, sexism, classism, and hetero-sexism on Women of Color in the U.S.by critiquing the multiple identities through an intersectional lens.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

WMST 9
Women in American History

4.0 Units

A critical examination of the social, economic, cultural and political history of American women from the colonial times to the present. Emphasis on the movements which enhanced women's political and economic rights, the social roles which defined women primarily by their gender, and the legal realities that women faced. Significant moral, political, and economic issues will be assessed.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment

- (Not open to students with credit in the cross-listed course(s).)

- (Not open to students with credit in the Honors Program related course.)

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the Honors Program related course.)

Student Learning Outcomes
- Demonstrate and apply knowledge of colonial and U.S. women's history to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret colonial and U.S. women's primary documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

WMST 9H
Women in American History - HONORS

4.0 Units

A critical examination of the social, economic, cultural and political history of American women from the colonial times to the present. Emphasis on the movements which enhanced women's political and economic rights, the social roles which defined women primarily by their gender, and the legal realities that women faced. Significant moral, political, and economic issues will be assessed. As an honors course, the students will be expected to complete extra assignments, or an additional longer assignment, to gain deeper insight into women's history in America.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Limitation(s) on Enrollment
- (Not open to students with credit in the cross-listed course(s).)
- (Not open to students with credit in the non-Honors related course.)
- (Admission into this course requires consent of the Honors Program Coordinator.)

Student Learning Outcomes
- Demonstrate and apply knowledge of colonial and U.S. women's history to construct defensible statements of meaning and evaluation about this period's developments.
- Identify, critically evaluate, and interpret colonial and U.S. women's primary documents to construct historical analysis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

WMST 12
Psychology of Gender

4.0 Units

This course is an exploration of research and theory on gender in psychology, analyzing the biological, psychological, cultural and social factors and their origins.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Identify historical, mythological, societal, familial, ethnic and cultural influences that shape gender.
- Explain the biological basis of gender behavior throughout the life cycle.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

WMST 21
Women in Literature

4.0 Units

This is an intensive study of representative literary works by or about women including an analysis of different historical, cultural, and critical perspectives.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Demonstrate understanding of a variety of literary texts by and about women.
- Analyze influence of class, race and ethnicity, culture, abilities, and sexual orientation on women as writers, characters, subjects and leaders in literary texts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

WMST 22
Asian American Pacific Islander Women

4.0 Units

This course is an introduction to the study of Asian American Pacific Islander (AAPI) women in American society in a historical and sociological perspective. Emphasis is placed on AAPI feminist scholarship; cultural representations; cultural productions; immigration, refugee, and diasporic experiences; resistance to racism, sexism, classism, and patriarchy; and labor and work issues. The course is designed for all students interested in Women and Gender Studies, as well as those interested in Asian American Studies.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Be familiar with the experiences, history, labor, and productions and contributions of women of AAPI descent within the wider American history and Women's Movement, and through the critical lens of contemporary feminist theory and social justice awareness.
- Define patriarchy; colonization/imperialism; diaspora; multiple oppressions of race, class, and gender; orientalism; forces of globalization and global capitalism; and neocolonialism, and recognize their impacts on AAPI women's history, experiences, identities, and representations.
- Define the concepts and origins of Asian Exclusion Acts; Dragon Lady and Lotus Blossom stereotypes; Yellow Peril; mail order brides and war brides; the reasons for migration and immigration; Family Reunification Act; types of labor with significant contributions by AAPI women; AAPI women's participation in Yellow Power and Third World Liberation Front. Students will also recognize AAPI women's significant art, writings, and other cultural productions, and the effects of colonialism and neocolonialism on AAPI women in the diaspora.
- Research local organizations which support Asian American Pacific Islander women's goals, and engage in community activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

WMST 24
Women and Gender in Global Perspectives

4.0 Units

This course is a study in the construction and reproduction of gender inequities around the globe, as well as ways people resist these processes in diverse societies.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Demonstrate a deep understanding of the processes that create gender based oppression around the world and processes that challenge it, while developing tools for taking action to challenge it.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

WMST 25
Introduction to Black Feminism

4.0 Units

This course is an interdisciplinary, multi-perspective, critical analysis, and comparative study of Black Feminism. Students will examine some key theories and ideas of Black Feminism and Black Feminist Thought, including womanist theory, the theory of intersectionality, and standpoint theory. The course will consider how Black women have challenged the intersecting effects of racism, sexism, classism, colonialism, homophobia, media exploitation, and other forms of social violence. Students will read major works, learn to engage in critical dialogue, and articulate their own positions concerning the basic ideas and principles of Black Feminism. The values, experience, and cultural contributions of Black feminist and/or Black womanist individuals in the United States will be identified, examined, and authenticated.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Demonstrate an awareness of some of the key theories and concepts of Black feminism.
- Engage in critical dialogue about the basic ideas and principles that guide Black feminist theories in an inclusive and safe learning environment.
- Analyze and articulate current issues from a Black feminist perspective.
- Research local organizations which support the goals of Black women, and engage in community activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

WMST 26
La Mujer: Latina Life and Experience

4.0 Units

This course is an introduction to the study of Latinas in American society from a historical and sociological perspective. Emphasis is placed on Latina feminist scholarship and cultural representations, border issues and migration, resistance to patriarchy, labor, and the search for power. This course is designed for all students interested in Women and Gender Studies, as well as those interested in Chicana/o and Latina/o Studies.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes
- Students will be able to describe how identities (i.e. religious, gender, ethnic, racial, class, sexual orientation, disability, and/or age) are shaped by cultural and societal influences in contexts of equality and inequality.
- Describe historical, social, political, and economic processes producing diversity, equality, and structured inequalities in the U.S. with specific attention to how those dynamics are impacted by Chicana and Latina lives and experiences.
- Research local organizations which support the goals of Latinas and engage in community activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

WMST 27
Women and Gendered Violence

4.0 Units

This is an interdisciplinary study in gendered violence through an analysis of violence against women, in particular, and the examination of power relations related to race/ethnicity, class, sexuality, gender presentation, and nationality. The course includes an exploration of collective resistance to violence and social movement discourses surrounding these issues, in addition to its impact upon U.S. civic life, as well as globally.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes
- Develop a deep understanding of the processes that create and perpetuate violence against women, including a critical framework for analyzing systemic violence against women and evaluating strategies to challenge gendered violence.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

WMST 28
Sociology of Gender

4.0 Units

Application of sociological perspectives to an understanding of gender. Focuses on the social construction of gender and on gender as an organizing principle of social life. Includes investigation of masculinities, femininities and trans identities, gender socialization, gender inequality, how gender is shaped by race, class, nation and sexuality, and the family, media, education, economics, politics and religion as gendered institutions, from a cross-cultural and global perspective.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Develop a sociological imagination, which is the ability to evaluate the effects of cultural, structural, historical, geographical, institutional and stratification processes on groups and individuals, including one's own experiences.
- Distinguish the sociological perspective from other sciences, including its methods, theories and empathetic standpoint.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

WMST 29
Masculinities in U.S. Culture and Society

4.0 Units

This is an interdisciplinary and intersectional study of masculinities within US culture and society from the post-Civil Rights era to the present. Special attention will be given to how masculinity is constructed along axes of race and ethnicity including African American, Asian American Pacific Islander, Latinx, and Native American, as well as sexuality, class, and ability.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Develop an understanding of the differences between biological sex, gender expression, and gender identity, along with how these social categories function within larger economic and political landscapes informed by race, class, ethnicity, citizenship, physical abilities, and sexuality.
- Analyze how key social, political, and economic events inform public discourse around definitions of masculinity and the framing of masculinity as being in crisis.
- Critically analyze key cultural works aimed at resisting dominant or hegemonic forms of masculinity within and across different racial and ethnic groups, including Asian American Pacific Islander, African American, Latino, and Native American men.
- Research local organizations which support the goals of men of color, specifically Asian American Pacific Islander, African American, Latino, and Native American men, and engage in community activities.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

WMST 31
Women and Popular Culture

4.0 Units

Feminist and cultural studies theory to discuss the historical development and contemporary representations of women in popular culture with an emphasis on representations of women in film, television, music, advertising, social media, and news media will be used in this course.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Student Learning Outcomes

- Develop an understanding of the complicated and contradictory relationship between women and girls and popular culture, along with an understanding of how race, class, and sexuality function within popular culture to produce very different images of women and girls within and across different communities.
- Develop an understanding of the relationship between popular culture and capitalism, along with some of the social issues and problems produced by this relationship.
- Analyze popular culture images of women and girls and engage in efforts to challenge these images through activism and social media.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)
12.0

Course In-Class (Contact) Hours		Course Out-of-Class Hours	
Lecture	48.0	**Lecture**	96.0
Laboratory	0.0	**Laboratory**	0.0
Total	48.0	**Total**	96.0

WMST 49
Women and Philosophy

4.0 Units

Examination of feminist theory, "feminism," feminist thought and the philosophy produced by a diverse range of women in philosophy. Investigation of the ways that understandings of the relations between the sexes have influenced the work of philosophers from different cultures.

Course Information

General Course Statement(s)
(See general education pages for the requirements this course meets.)

General Course Statement(s)
(See general education pages for the requirements this course meets.)

Transferability
Transferable to both UC and CSU

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Advisory(ies)
EWRT 1A or EWRT 1AH or (EWRT 1AS and EWRT D01AT) or ESL 5

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Limitation(s) on Enrollment
(Not open to students with credit in the cross-listed course(s).)

Student Learning Outcomes

- Identify and analyze issues relating to women and philosophy.
- Analyze and assess texts relevant to women and philosophy.
- Analyze and defend one's own position on an issue relevant to women and philosophy.
- Exhibit an application of the concepts learned in this class to one's own existence in the world.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Noncredit Courses and Certificates

Noncredit courses offer a new way to gain valuable job skills, expand your personal knowledge or become better prepared before taking classes for academic credit. Enrollment in these courses is free, with no tuition or registration fees.

De Anza offers noncredit courses and certificates under guidelines established by the Board of Governors for California Community Colleges, with the goal of increasing educational access for students from diverse backgrounds. These programs can be a starting point for many individuals – particularly immigrants, the economically disadvantaged and adults who need to improve their skills – on a pathway to gaining basic skills, preparing to enter the workforce, transitioning to for-credit programs or transferring to a four-year university.

It's important to remember that noncredit classes do not count toward a degree or academic certificate, and students do not earn college credit units. However, students can earn a noncredit certificate after completing a series of required classes.

When you enroll in a noncredit course, you will likely attend class with students who have enrolled for credit, with the same instructor. You are expected to complete the same coursework and attend all classes.

You'll find more information about noncredit courses here and at deanza.edu/noncredit. This catalog includes a list of noncredit courses and certificates currently offered by De Anza. More courses and programs may be added in the future.

Grades

Students taking noncredit courses may receive letter grades or be graded on the basis of Pass/No Pass or satisfactory progress. (The grading format will be determined by the department; see the course description for more information.) Noncredit courses are not recorded on a student's academic transcript and grades are not calculated in a student's

GPA. (A noncredit transcript, showing noncredit courses taken at De Anza, is available from the Admission and Records Office.) Students may need to contact the instructor to learn their final grade in a noncredit class.

Costs

While noncredit courses are tuition-free, students are responsible for purchasing their own materials and textbooks.

Students taking noncredit courses may opt in to pay De Anza College basic fees for student programs or services – including the SmartPass, which provides unlimited rides on Santa Clara Valley Transportation Authority buses and light rail lines.

Prerequisites

Noncredit courses – with the exception of courses in English as a Second Language – generally don't have prerequisites. However, some certificate programs may recommend having a certain level of proficiency in English or Math.

Most noncredit courses do not require placement tests, but some courses may require that you complete an assessment process to make sure you are taking a course at the level that's right for you. Be sure to review the course description for specific requirements.

Repeating Courses

There are no limits on repeating noncredit courses.

Course Numbering

Noncredit courses are numbered as follows.

- 300-399: Noncredit career training courses
- 400-499: Noncredit basic skills courses

Noncredit Certificates

De Anza offers two kinds of noncredit certificates:

- Certificates of Competency are awarded for completing a designated sequence of basic skills courses.
- Certificates of Completion are awarded for completing a designated sequence of career training courses.

To earn a noncredit certificate, you must complete all required courses with at least a C grade, passing grade or satisfactory progress. Each course must be completed at De Anza College.

Noncredit programs vary in length. Students are encouraged to check with the departments and counselors for help with planning their courses. There is no limit on the number of noncredit certificates a student can earn.

Noncredit certificates are issued by the Admissions and Records Office upon completion of the required courses.

Noncredit Transcripts

Noncredit transcripts are available to show noncredit courses that a student has taken at De Anza. Students should submit the Noncredit Transcript Request Form, which is found in the Adobe Sign Student Forms section on MyPortal.

More information: deanza.edu/noncredit

Certificate of Completion

Advanced Engine Performance Technology

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. The Certificate of Completion in Advanced Engine Performance Technology sequence helps prepare students for employment as entry-level technicians in the automotive repair industry.

Program Learning Outcomes

Upon completion, students will be able to

- Utilize the appropriate equipment, documentation, and troubleshooting principles on various automotive systems

Program Requirements

Complete the following

Courses	Hours
AUTO 360F No-Start Diagnosis	54
AUTO 360G Advanced Scan Tool Diagnosis	54
AUTO 360H Advanced Drivability and Onboard Diagnostics	54
AUTO 360J Advanced Lab Scope and Waveform Diagnosis	54

Total Hours Required: 216

Certificate of Completion

Automotive Chassis Technology

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. This noncredit Certificate of Completion prepares students for an entry-level position in automotive undercar inspection and repair procedures.

Program Learning Outcomes

Upon completion, students will be able to

- Perform undercar inspections and repair suspension, steering, hydraulic and active braking systems

Program Requirements

Complete the following

Courses	Hours
AUTO 361A Automotive Brake Systems	54
AUTO 361B Electronically Controlled Brake Systems	54
AUTO 362A Automotive Suspension, Steering and Alignment	108

Total Hours Required: 216

Certificate of Completion

Automotive Machining and Engine Repair Technology

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. The Certificate of Completion in Automotive Machining and Engine Repair Technology sequence prepares students for entry-level engine diagnostics positions in the automotive repair industry.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate an understanding of four-stroke engine theory, basic safe machining practices, and engine assembly

Program Requirements

Complete the following

Courses	Hours
AUTO 364 Automotive Machining and Engine Repair	108
AUTO 364H High Performance Engine Preparation	108

Total Hours Required: 216

Certificate of Completion

Automotive Powertrain Technology

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. The Certificate of Completion in Automotive Powertrain Technology sequence helps prepare students for employment as entry-level automotive repair technicians in the area of automotive transmission and differential.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate knowledge of the overall operation of an automotive transmission and differential

Program Requirements

Complete the following

Courses	Hours
AUTO 363 Automatic Transmissions and Transaxles	108
AUTO 363A Advanced Manual Drive Train	108
AUTO 363D Transmission Diagnostic and Repair Techniques	54

Total Hours Required: 216

Certificate of Completion
Basic Engine Performance Technology

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. The Certificate of Completion in Basic Engine Performance Technology prepares students to be successful as entry-level technicians in vehicle electrical repairs.

Program Learning Outcomes

Upon completion, students will be able to

- Identify the basic electrical circuits and diagnose automotive electrical systems
- Apply the basic principles of physics as they work in the automotive industry

Program Requirements

Complete the following

Courses	Hours
AUTO 353A Automotive Mechanisms	72
AUTO 360 Automotive Electrical Systems	108
AUTO 360A Electrical Schematic Diagnosis	54
AUTO 360B Automotive Electronics	54

Total Hours Required: 288

Certificate of Completion
General Service Technician

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. This noncredit Certificate of Completion prepares a student for employment as an entry-level technician performing vehicle inspections, new car preparation and general automotive maintenance.

Program Learning Outcomes

Upon completion, students will be able to

- Perform basic engine service, cooling system maintenance and battery testing
- Perform tire service including balancing, disc and drum brake service, and basic front and rear suspension service

Program Requirements

Complete the following

Courses	Hours
AUTO 350A Introduction to Automotive Principles	48
AUTO 350B Applied Automotive Principles	48
AUTO 351A Introduction to Automotive Principles - Chassis Systems	48
AUTO 351B Applications of Automotive Principles - Chassis Systems	48
AUTO 360 Automotive Electrical Systems	108

Total Hours Required: 300

Certificate of Completion
Intermediate Engine Performance Technology

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. The Certificate of Completion in Intermediate Engine Performance Technology sequence prepares students to be successful as entry-level technicians in vehicle ignition and fuel systems.

Program Learning Outcomes

Upon completion, students will be able to

- Interpret and analyze automotive ignition and fuel systems

Program Requirements

Complete the following

Courses	Hours

Courses	Hours
AUTO 360C Automotive Ignition, Fuel and Emission Systems	108
AUTO 360D Ignition Analysis and Oscilloscope Diagnosis	54
AUTO 360E Automotive Fuel Injection	54

Total Hours Required: 216

Certificate of Completion

Smog Technician

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. This noncredit Certificate of Completion helps prepare students as an entry-level technician in the automotive repair industry performing California state smog inspections.

Program Learning Outcomes

Upon completion, students will be able to

- Perform a complete California state smog inspection

Program Requirements

Complete the following

Courses	Hours
AUTO 360C Automotive Ignition, Fuel and Emission Systems	108
AUTO 365P Smog Inspector - Level 1 Training	84
AUTO 365W Smog Inspector - Level 2 Training	30

Total Hours Required: 222

Certificate of Completion

Business Software Applications

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. Students pursuing the Business Software Applications Certificate of Completion will receive hands-on experience with the fundamentals of popular computer applications that are required by most business offices. The courses provide students with the knowledge and skills necessary to enter or advance in professions such as administrative assistant, technical assistant, administrative professional, administrative services coordinator, office clerk, executive assistant or operations and support assistant. Administrative assistants perform routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers. (Noncredit courses are tuition-free but students are required to purchase course materials.)

Program Learning Outcomes

Upon completion, students will be able to

- Create complex business documents using word processing, spreadsheets and database
- Design brochures and graphics with Photoshop
- Microsoft Windows setup and file management
- Optimize workflow with cloud file sharing
- Protect computers for malware, scams and exploitation
- Identify and stop security vulnerabilities

Program Requirements

Complete the following

Courses	Hours
CIS 308 Personal Computer Security Basics	66
CIS 398 Digital Image Editing Software (Photoshop)	66
CIS 399 Office Software Applications	66

Total Hours Required: 198

Certificate of Completion

Information Technology Technical Support

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. Students earning the Information Technology Technical Support Certificate are able to apply fundamental concepts of IT support including networking, operating systems, system administration, troubleshooting and customer service, IT automation, and network security. Students upon completing this program are prepared to fill entry-level positions in IT support or continue their education in the field of technology. This program also prepares the student for the CompTIA A+ exams. Students earning this certificate will also earn Google IT Support Professional Certificate.

Program Learning Outcomes

Upon completion, students will be able to

- Perform IT support tasks including computer assembly, setting up wireless networking, installing programs
- Configure permissions and file systems, and provide for security on systems using Linux system, Windows system and Domain Name Systems
- Interact with users to diagnose and debug and where needed develop appropriate documentation to support

the user

Program Requirements

Complete the following

Courses	Hours
CIS 369A Technical Support Fundamentals	66
CIS 369B The Bits and Bytes of Computer Networking	66
CIS 369C Operating Systems and You: Becoming a Power User	66
CIS 369D System Administration and IT Infrastructure Services	66
CIS 369E IT Security: Defense Against the Digital Dark Ages	66

Total Hours Required: 330

Certificate of Completion

Introduction to Computer Science

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. The Certificate of Completion in Introduction to Computer Science sequence prepares students to be academically successful in the coursework to enter a career in software engineering, computer science, data science or related fields. Student will learn to execute basic commands in Unix/Linux and to apply basic constructs to coding.

Program Learning Outcomes

Upon completion, students will be able to

- Use the Unix/Linux Operating System utilities and shell features for basic file manipulation, networking, and communication
- Design, code, document, analyze, debug, and test introductory level Python programs

Program Requirements

Complete the following

Courses	Hours
CIS 318A Introduction to Unix/Linux	66
CIS 340 Introduction to Programming in Python	66

Total Hours Required: 132

Certificate of Competency

American English Pronunciation

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. Students will receive the Certificate of Completion in American English Pronunciation by completing two pronunciation courses. The courses cover the study and practice of American English pronunciation features in order to speak intelligibly and accurately, understand spoken American English, and prepare students for college-level English as a Second Language.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate knowledge of the American English pronunciation by discriminating vowel sounds, syllables, stress, rhythm, intonation patterns, consonant sounds, voicing, aspiration, grammatical endings, linking, and sound change
- Apply the knowledge of the American English vowel sounds, syllables, stress, rhythm and intonation patterns, as well as consonant sounds, voicing, aspiration, grammatical endings, linking and sound change, by orally producing level-appropriate speech that is intelligible and accurate
- Demonstrate the ability to analyze one's own speech errors and correct these errors independently
- Comprehend and respond appropriately to native speakers' spoken English

Program Requirements

Complete the following

Courses	Hours
ESL 460A American English Pronunciation 1	36
ESL 460B American English Pronunciation 2	36

Total Hours Required: 72

Certificate of Competency

English as a Second Language Advanced Level

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. The Certificate of Competency in English as a Second Language Advanced Level sequence prepares students for college-level study of English as a Second Language. The prerequisite is the completion of ESL 444 or the equivalent.

Program Learning Outcomes

Upon completion, students will be able to

- Produce comprehensible spoken English on academic topics at the low-advanced level
- Demonstrate listening comprehension of academic topics at the low-advanced level
- Demonstrate reading comprehension and critical analysis of advanced-level texts
- Write well-developed essays based on advanced readings
- Demonstrate advanced grammar, sentence structures, and vocabulary in writing

Program Requirements

Complete the following prerequisite (120 hours)

Courses	Hours
ESL 444 Intermediate English as a Second Language	120

Complete the following courses

Courses	Hours
ESL 451 High Intermediate Listening and Speaking	24
ESL 455 High Intermediate Grammar, Writing and Reading	72
ESL 461 Low Advanced Listening and Speaking	24
ESL 465 Low Advanced Grammar, Writing and Reading	72
ESL 472 Advanced Reading and Vocabulary	48
ESL 473 Introduction to the Essay	48

Total Hours Required: 288

Certificate of Competency
English as a Second Language Intermediate Level

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. The Certificate of Competency in English as a Second Language Intermediate Level sequence prepares students for the advanced level of English as a Second Language. The prerequisite is the demonstrated English language skill.

Program Learning Outcomes

Upon completion, students will be able to

- Comprehend, analyze and respond to reading and listening intermediate materials
- Write a group of topic-related sentences using level specific grammar and vocabulary
- Demonstrate understanding and usage of level-specific grammar and vocabulary in reading, writing, listening and speaking

Program Requirements

Complete the following

Courses	Hours
ESL 400 High Beginning English as a Second Language	120
ESL 434 Low Intermediate English as a Second Language	120
ESL 444 Intermediate English as a Second Language	120

Total Hours Required: 360

Certificate of Competency
Bridge to Precalculus

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. The Certificate of Competency in Bridge to Precalculus sequence includes four courses. Students benefit from increased exposure to Algebra content through a variety of strategies along with additional opportunities to ask questions and practice their skills. This sequence provides extra support, time and enrichment for students to develop Algebra skills that are critical for success in Precalculus – which can in turn be applied to the Mathematics requirement for transfer and prepares students for further transfer-level and degree-specific math courses.

Program Learning Outcomes

Upon completion, students will be able to

- Evaluate real-world situations by applying linear, quadratic and exponential function models appropriately
- Distinguish between and manipulate linear, quadratic and exponential models
- Demonstrate sound algebraic techniques by applying proper mathematical notation to problems involving algebraic and transcendental functions
- Demonstrate sound algebraic techniques by applying proper mathematical notation to trigonometric problems

Program Requirements

Complete the following

Courses	Hours
MATH 330 Intermediate Algebra for Precalculus	60
MATH 431A Algebra Support for Precalculus I (Part 1)	30
MATH 431B Algebra Support for Precalculus I (Part 2)	30

Courses	Hours
MATH 432 Algebra Support for Precalculus II	30

Total Hours Required: 150

Certificate of Competency

Bridge to Precalculus 2

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. The Certificate of Competency in Bridge to Precalculus 2 sequence includes three courses. Students benefit from increased exposure to Algebra content through a variety of strategies along with additional opportunities to ask questions and practice skills. This sequence will help students develop Algebra skills that are important to succeed in Precalculus, which can be applied to the Mathematics requirement for transfer and prepares students for further transfer-level and degree specific math courses.

Program Learning Outcomes

Upon completion, students will be able to

- Evaluate real-world situations by applying linear, quadratic and exponential function models appropriately
- Distinguish between and manipulate linear, quadratic and exponential models
- Demonstrate sound algebraic techniques by applying proper mathematical notation to problems involving functions
- Demonstrate sound algebraic techniques by applying proper mathematical notation to trigonometric problems

Program Requirements

Complete the following

Courses	Hours
MATH 330 Intermediate Algebra for Precalculus	60
MATH 431A Algebra Support for Precalculus I (Part 1)	30
MATH 432 Algebra Support for Precalculus II	30

Total Hours Required: 120

Certificate of Competency

Bridge to Statistics

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply The Certificate of Competency in Bridge to Statistics sequence includes two courses for students who need the core algebraic prerequisite skills, competencies and concepts used in Statistics. Students benefit from increased exposure to Algebra content and techniques through a variety of strategies along with additional opportunities to ask questions and practice skills. This certificate fully prepares students for Statistics, which can be applied to the Mathematics requirement for transfer.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate mathematical concepts, skills, and numeracy needed for understanding Probability and Statistics
- Evaluate real-world situations and distinguish between and apply linear and exponential function models appropriately
- Analyze, interpret, and communicate results of linear and exponential models in a logical manner
- Organize sample data by constructing and/or evaluating tables, graphs, and numerical measures of characteristics of data

Program Requirements

Complete the following

Courses	Hours
MATH 309 Intermediate Algebra for Statistics	60
MATH 410X Support for Statistics	30

Total Hours Required: 90

Certificate of Competency

Math Basic Skills

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. The Certificate of Competency in Math Basic Skills sequence provides high-quality instructional materials and additional instructional time to help struggling students get on track. This certificate is part of a developmental sequence of basic skills courses leading to transfer-level work that ultimately prepares students for Intermediate Algebra, which satisfies the Mathematics proficiency requirement for the De Anza AA/AS degree.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate mathematical concepts, skills and numeracy
- Demonstrate and apply a systematic and logical approach to solving arithmetic and geometric problems
- Evaluate real-world situations and distinguish between and apply linear and quadratic function models
- Evaluate real-world situations and distinguish between and apply exponential, logarithmic, rational and discrete function models appropriately

- Analyze, interpret and communicate results of exponential, logarithmic and rational models in a logical manner from four points of view - visual, formula, numerical, and written

Program Requirements

Complete the following

Courses	Hours
MATH 314 College Math Preparation Level 3: Intermediate Algebra	60
MATH 410 College Math Preparation Level 1: Pre-Algebra	60
MATH 412 College Math Preparation Level 2: Beginning Algebra	60

Total Hours Required: 180

Certificate of Completion

Commercial Lighting

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. The Certificate of Completion in Commercial Lighting sequence provides a foundational education in photographic lighting, editing and business practices. Courses emphasize the skills and knowledge necessary for employment as a photographer's assistant, or for starting a small business as a commercial photographer. Additional courses review foundational photographic skills including shooting with a camera manually and editing in Adobe Lightroom and Photoshop.

Program Learning Outcomes

Upon completion, students will be able to

- Apply photographic lighting and editing techniques in the creation of a portfolio of images
- Create a professional assisting resume and business plan
- Demonstrate a foundational understanding of the operation of off- camera flashes

Program Requirements

Complete the following

Courses	Hours
PHTG 357A Commercial Lighting I	60
PHTG 357B Commercial Lighting II	60
PHTG 358A Photographic Photoshop I	60

Complete one course (60 hours)

Courses	Hours
PHTG 301 Basic Photography 60	60
PHTG 304 Introduction to Digital Photography	60

Total Hours Required: 240

Certificate of Completion

Photographic Retouching and Digital Post-Production

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. The Certificate of Completion in Photographic Retouching and Post-Production sequence provides the foundational skills required to edit and retouch digital images in Adobe Lightroom and Photoshop. Students learn the necessary skills to create finished digital images. This includes learning how to operate a camera manually as well as how to composite and retouch images. Upon completion of this sequence, students will have the foundational skills required to work as a photographic retoucher.

Program Learning Outcomes

Upon completion, students will be able to

- Apply retouching and photographic compositing techniques in the creation of a portfolio of images
- Create an online digital portfolio of images that showcase the students photographic editing abilities

Program Requirements

Complete the following

Courses	Hours
PHTG 303 Advanced Photography	60
PHTG 304 Introduction to Digital Photography	60
PHTG 305 Intermediate Digital Photography	60
PHTG 358A Photographic Photoshop I	60
PHTG 358B Photographic Photoshop II	60

Total Hours Required: 300

Certificate of Completion

Real Estate Salesperson

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply. The Real Estate Salesperson Certificate of Completion sequence provides students with the

knowledge to buy and sell real estate in California. Students who have passed courses required for this certificate meet the requirements to sit for the California Real Estate Salesperson license exam. Passing the California Real Estate license exam allows students to pursue entry-level jobs such as real estate agent, property manager, real estate assistant, leasing agent or transaction coordinator. Noncredit courses are tuition-free but students are required to purchase course materials.

Program Learning Outcomes

Upon completion, students will be able to

- Demonstrate knowledge of how real property is described, acquired, appraised, financed, leased and how title to real property is held in California
- Demonstrate knowledge of the risks, returns, legal issues and ethical issues involved in the purchase, holding and sale of California real estate
- Be prepared and qualified to sit for the California Department of Real Estate salesperson examination

Program Requirements

Complete the following

Courses	Hours
REST 350 Real Estate Principles	48
REST 351 Real Estate Practices	48

Complete one course (48 hours)

Courses	Hours
REST 352A Legal Aspects of Real Estate	48
REST 353 Real Estate Finance	48
REST 355 Real Estate Property Management	48
REST 361 Real Estate Investments	48

Total Hours Required: 144

AUTO 350A

Introduction to Automotive Principles

A selective study of the automobile's engine systems. Knowledge and skills that are necessary for basic repair, maintenance, and troubleshooting of today's engine systems. This course may be used to fulfill the prerequisite to the Automotive Technology Program.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Answer correctly, selected questions on the final exam concerning engine theory, lubrication, and basic electrical fundamentals.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	48.0
Laboratory	0.0
Total	48.0
Course Out-of-Class Hours	
Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

AUTO 350B

Applied Automotive Principles

Basic experiences in automotive repair and maintenance as related to the engine and its supporting systems.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Answer correctly, selected questions on the final exam concerning engine service, cooling system maintenance and battery testing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.5	3.0
Laboratory Hours	2.5	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	18.0
Laboratory	30.0
Total	48.0
Course Out-of-Class Hours	
Lecture	36.0
Laboratory	0.0
NA	0.0
Total	36.0

AUTO 351A

Introduction to Automotive Principles - Chassis Systems

A selective study of the automobile's chassis and drive line systems. Knowledge and skills necessary for basic repair, maintenance, and troubleshooting of today's chassis and drive line systems. Can be used to fulfill the prerequisite to the Automotive Technology Program.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Answer correctly, selected questions on the final exam concerning drive line theory, clutch and transmission service and diagnosis.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	48.0
Laboratory	0.0
Total	48.0
Course Out-of-Class Hours	
Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

AUTO 351B

Applications of Automotive Principles - Chassis Systems

Basic experiences in automotive repair and maintenance as related to suspension, steering, braking, and drive line components.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Answer correctly, selected questions on the final exam concerning tire service including balancing, disc and drum brake service, and front and rear suspension service.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	1.5	3.0
Laboratory Hours	2.5	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	18.0
Laboratory	30.0
Total	48.0
Course Out-of-Class Hours	
Lecture	36.0
Laboratory	0.0

NA	0.0
Total	36.0

AUTO 353A
Automotive Mechanisms

This course covers the application of physical principles to the operation of mechanical and hydraulic systems, using an applied physics technique.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Demonstrate the ability to diagram and construct compound mechanical and pneumatic machines, calculating the mechanical advantage for the individual components as well as the complete system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	36.0
Laboratory	36.0
Total	72.0
Course Out-of-Class Hours	
Lecture	72.0
Laboratory	0.0
NA	0.0
Total	72.0

AUTO 357A
Career Research and Employment in the Automotive Industry

This career research course covers automotive industry job search, applications, resumes, employer-employee relationships, and job interviews.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Participate in an 'in-class' job interview, after studying the various parts of the automotive industry and learning job interview skills.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	24.0
Laboratory	0.0
Total	24.0
Course Out-of-Class Hours	
Lecture	48.0
Laboratory	0.0
NA	0.0
Total	48.0

AUTO 360
Automotive Electrical Systems

Principles of electricity, electronics, cranking and charging systems. Testing, diagnosis and repair of these systems.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Demonstrate the ability to diagram and construct simple electrical circuits, calculating and measuring voltage, amperage, and resistance using Ohm's Law and a digital multimeter. • Develop a testing sequence to diagnose inoperative charging, cranking, and battery circuits.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	108.0
Laboratory	0.0
Total	108.0
Course Out-of-Class Hours	
Lecture	216.0
Laboratory	0.0
NA	0.0
Total	216.0

AUTO 360A
Electrical Schematic Diagnosis

Theory of operation for electrical, electronic, and electromechanical accessory systems. Understanding and using wiring diagrams, schematics, and other diagnostic information to troubleshoot electrical, electronic, and electromechanical systems. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Analyze an open circuit problem in which all or part of the circuit is inoperative.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	54.0

Laboratory	0.0
Total	54.0

Course Out-of-Class Hours

Lecture	108.0
Laboratory	0.0
NA	0.0
Total	108.0

AUTO 360B

Automotive Electronics

Application of computer control principles to automotive systems. Operation of automotive electronic control systems, including commonly used sensors, actuators, and displays. Introduction to diagnostic methods and test equipment for automotive electronic control systems. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Analyze the operation of engine control systems where computer management is prevalent.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0

Course In-Class (Contact) Hours

Lecture	54.0
Laboratory	0.0
Total	54.0

Course Out-of-Class Hours

Lecture	108.0
Laboratory	0.0
NA	0.0
Total	108.0

AUTO 360C

Automotive Ignition, Fuel and Emission Systems

This course provides an introduction to components, subsystems and functions of ignition, fuel delivery, carburetor and fuel injection systems (engine management). It also includes an introduction to automotive emission controls, basic diagnosis, service, repair procedures and preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Identify major ignition and fuel system components.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0

Course In-Class (Contact) Hours

Lecture	108.0
Laboratory	0.0
Total	108.0

Course Out-of-Class Hours

Lecture	216.0
Laboratory	0.0
NA	0.0
Total	216.0

AUTO 360D

Ignition Analysis and Oscilloscope Diagnosis

This course covers the ignition system principles of operation and diagnosis, the use of electronic test equipment in ignition system diagnosis, and preparation for Automotive Service Excellence (ASE) certification examinations in Areas A6, A8, and L1.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Identify the purpose of an automotive ignition system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0

Course In-Class (Contact) Hours

Lecture	54.0
Laboratory	0.0
Total	54.0

Course Out-of-Class Hours

Lecture	108.0
Laboratory	0.0
NA	0.0
Total	108.0

AUTO 360E

Automotive Fuel Injection

This course covers the theory of operation and service of electronic fuel injection systems, component parts and their functions and overall system theory, diagnostic and repair methods using standard test and repair equipment, and preparation for Automotive Service Excellence (ASE) examination in Areas A8 and L1.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Describe the principles of electronic fuel injection.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0

Course In-Class (Contact) Hours

Lecture	54.0
Laboratory	0.0

Total	54.0
Course Out-of-Class Hours	
Lecture	108.0
Laboratory	0.0
NA	0.0
Total	108.0

AUTO 360F

No-Start Diagnosis

Principles of troubleshooting procedures and techniques to analyze and repair of "no-start" problems in the fuel, ignition, and electrical systems of an automobile. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Identify basic internal combustion principles for the gasoline engine.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	54.0
Laboratory	0.0
Total	54.0
Course Out-of-Class Hours	
Lecture	108.0
Laboratory	0.0
NA	0.0
Total	108.0

AUTO 360G

Advanced Scan Tool Diagnosis

Advanced drivability diagnosis using a scan tool. Using the onboard diagnostic capabilities of vehicles built since 1980. Advanced scan data analysis. Using PC capabilities to store and analyze diagnostic information. Preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Identify the purpose of an automotive scan tool.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	54.0
Laboratory	0.0
Total	54.0
Course Out-of-Class Hours	
Lecture	108.0
Laboratory	0.0
NA	0.0
Total	108.0

AUTO 360H

Advanced Drivability and Onboard Diagnostics

This course is a survey of onboard diagnostic systems from 1980 to the present, including advanced electronic diagnostic procedures using an automotive scan tool, and preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Describe the onboard self-test and diagnostic capabilities of various manufacturers' vehicle control systems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	54.0
Laboratory	0.0
Total	54.0
Course Out-of-Class Hours	
Lecture	108.0
Laboratory	0.0
NA	0.0
Total	108.0

AUTO 360J

Advanced Lab Scope and Waveform Diagnosis

This course covers the diagnosis of automotive electronic systems using a laboratory oscilloscope and a power graphing meter; related use of other basic test equipment, including a digital multi-meter (DMM) and scan tool; advanced waveform analysis; and preparation for Automotive Service Excellence (ASE) examination in Areas A6, A8, and L1.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Analyze the various designs and applications of the diagnostic oscilloscope and power graphing meter.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	54.0
Laboratory	0.0
Total	54.0

Course Out-of-Class Hours

Lecture	108.0
Laboratory	0.0
NA	0.0
Total	108.0

AUTO 360K

Automotive Body Electrical Systems

This course will focus on the theory of operation for body electrical, electronic, and electromechanical systems. Students will gain an understanding of the functions of automotive body electrical systems; utilization of special diagnostic equipment for body electrical systems and subsystems; appropriate repair protocol for applied body electrical systems; symptom to system diagnosis; and preparation for Automotive Service Excellence (ASE) examination in Area A6.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• The student will show an understanding of a resistive multiplexed switch circuits operation and diagnosis through a written essay.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	54.0
Laboratory	0.0
Total	54.0
Course Out-of-Class Hours	
Lecture	108.0
Laboratory	0.0
NA	0.0
Total	108.0

AUTO 360N

Hybrid Vehicle Safety and Maintenance

This course explores the use of hybrid electric power for vehicle transportation. Topics will include safety, maintenance of hybrid propulsion and internal combustion systems, drivability, and storage battery technology. Various designs of hybrid vehicles and their integrated systems from multiple manufacturers will be discussed. This course also fulfills the Toyota Technician Education Network training requirement for the T-256 course. This course is suitable for students interested in alternative fuels or power and energy technology.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Identify the function of an automotive hybrid propulsion system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	24.0
Laboratory	0.0
Total	24.0
Course Out-of-Class Hours	
Lecture	48.0
Laboratory	0.0
NA	0.0
Total	48.0

AUTO 361A

Automotive Brake Systems

Operation of automotive brake systems. Repair, maintenance and troubleshooting.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Understand proper brake inspection procedures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	54.0
Laboratory	0.0
Total	54.0
Course Out-of-Class Hours	
Lecture	108.0
Laboratory	0.0
NA	0.0
Total	108.0

AUTO 361B

Electronically Controlled Brake Systems

Computer controlled automotive brake systems, including service, maintenance, troubleshooting and repair procedures.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Describe the differences in the two major types of wheel speed sensors used on cars and light trucks as well as how they function, and how to diagnose a failure of the component.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	54.0

Laboratory	0.0
Total	54.0
Course Out-of-Class Hours	
Lecture	108.0
Laboratory	0.0
NA	0.0
Total	108.0

AUTO 362A
Automotive Suspension, Steering and Alignment

Operation of automotive suspension, steering and alignment systems. Overview of maintenance, repair and troubleshooting procedures.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes
- Understand proper under car inspection procedures.
- Understand proper vehicle wheel alignment procedures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	108.0
Laboratory	0.0
Total	108.0
Course Out-of-Class Hours	
Lecture	216.0
Laboratory	0.0
NA	0.0
Total	216.0

AUTO 362B
Advanced Wheel Alignment

This course focuses on the advanced study of wheel alignment systems. Emphasis is placed on diagnostic inspection and repair procedures.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes
- Understand the concepts and be able to diagnose vehicle wander, drift, pull, hard steering, bump steer, memory steer, torque steer, and steering return concerns; determine necessary action.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	108.0
Laboratory	0.0
Total	108.0
Course Out-of-Class Hours	
Lecture	216.0
Laboratory	0.0
NA	0.0
Total	216.0

AUTO 363
Automatic Transmissions and Transaxles

This course covers the principles of operation, service and repair procedures for automatic transmissions and transaxles. Hydraulic and mechanical system operation; power flow and component repair techniques; and preparation for Automotive Service Excellence (ASE) certification examination in Area A2.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes
- Show an understanding of how a torque converter works.
- Show an understanding of the inputs to transmission that create both up and downshifts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	108.0
Laboratory	0.0
Total	108.0
Course Out-of-Class Hours	
Lecture	216.0
Laboratory	0.0
NA	0.0
Total	216.0

AUTO 363A
Advanced Manual Drive Train

This course covers the details of operation and repair of automotive manual drive train components; the design operation and repair of four-wheel and all-wheel-drive components; as well as the theory and practical application of the diagnosis of noise and vibrations in the drive train based on frequency calculation and measurement. Students will also learn service and repair procedures, product problem discussions and demonstrations, and preparation for Automotive Service Excellence (ASE) certification examination in Area A3.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes
- Show an understanding of how a torque converter works.
- Show an understanding of the inputs to transmission that create both up and downshifts.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	108.0
Laboratory	0.0
Total	108.0
Course Out-of-Class Hours	
Lecture	216.0
Laboratory	0.0
NA	0.0
Total	216.0

AUTO 363D

Transmission Diagnostic and Repair Techniques

This course covers diagnostic and repair techniques for automatic transmissions and transaxles, with emphasis on the development of diagnostic procedures and repair techniques, and preparation for Automotive Service Excellence (ASE) certification examinations in Areas A2 and A3.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Show an understanding of the operation of transmission solenoids and the corresponding voltage values for diagnostic purposes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	54.0
Laboratory	0.0
Total	54.0
Course Out-of-Class Hours	
Lecture	108.0
Laboratory	0.0
NA	0.0
Total	108.0

AUTO 364

Automotive Machining and Engine Repair

This course covers the repair and rebuilding of engine cylinder heads and block components, engine assembly, and testing. The course also includes theory, diagnosis, disassembly, cleaning, inspection and failure analysis, and preparation for Automotive Service Excellence (ASE) examinations for Areas A1 and M1, M2 and M3.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Student should be able to answer selected questions on the final concerning engine theory, valve events, engine diagnostics, and engine assembly.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	108.0
Laboratory	0.0
Total	108.0
Course Out-of-Class Hours	
Lecture	216.0
Laboratory	0.0
NA	0.0
Total	216.0

AUTO 364H

High Performance Engine Preparation

This course covers precision and performance engine preparation, including selection and matching of engine and valve train components for maximum efficiency and output.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Student will answer correctly, selected questions on the final exam concerning blueprinting operations, engine theory, camshaft design, parts reliability upgrades. These are areas essential to the understanding of performance engines.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	9.0	18.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	108.0
Laboratory	0.0
Total	108.0
Course Out-of-Class Hours	
Lecture	216.0
Laboratory	0.0
NA	0.0
Total	216.0

AUTO 365P

Smog Inspector - Level 1 Training

Automotive technician training program for California's Smog inspection program. Course content is mandated by the Bureau of Automotive Repair (BAR).

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Student will be able to answer correctly, selected questions on the final exam concerning Bureau of Automotive Repair rules, regulations, and proper procedures to perform a smog check in the state of CA.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	7.0	14.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	84.0
Laboratory	0.0
Total	84.0
Course Out-of-Class Hours	
Lecture	168.0
Laboratory	0.0
NA	0.0
Total	168.0

AUTO 365W

Smog Inspector - Level 2 Training

Automotive technician training program for California's Smog Inspection Program. Meets one of the Bureau of Automotive Repair (BAR) requirement for obtaining Smog Inspector License.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Student will be able to answer correctly, selected questions on the final exam concerning repairs to lower Oxides of Nitrogen (Nox) failures and procedures to perform an acceleration simulation mode (ASM) smog inspection using a dynomometer.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	30.0
Laboratory	0.0
Total	30.0
Course Out-of-Class Hours	
Lecture	60.0
Laboratory	0.0
NA	0.0
Total	60.0

AUTO 366

Automotive Air Conditioning

This course covers the operation and service of automotive air conditioning refrigeration and electrical control systems. Includes retrofitting, with an emphasis on diagnosis and repair of systems, and preparation for Automotive Service Excellence (ASE) certification examination in Area A7.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Students will understand proper refrigerant recovery, recycling, and handling procedures.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	54.0
Laboratory	0.0
Total	54.0
Course Out-of-Class Hours	
Lecture	108.0
Laboratory	0.0
NA	0.0
Total	108.0

AUTO 367A

Hybrid Electric Vehicles

This course covers the functions of automotive hybrid propulsion systems; operating characteristics of hybrid drive systems; integration of high voltage power supplies and energy storage systems; operating fundamentals of DC to DC converters; and the relationship of internal combustion engines and motor generators. It also includes the function and design of regenerative braking systems; operation of hybrid transmission systems and power splitting devices; application of the high expansion ratio cycle; safety aspects of service hybrid electric vehicles; utilization of special diagnostic equipment for hybrid electrical systems and related subsystems; appropriate repair protocol for hybrid electrical systems; and maintenance and servicing of hybrid vehicles.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Identify the function of an automotive hybrid propulsion system.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	54.0
Laboratory	0.0
Total	54.0
Course Out-of-Class Hours	
Lecture	108.0
Laboratory	0.0
NA	0.0
Total	108.0

AUTO 367B

Plug-In Electric Vehicle Technology

This course covers the functions of plug-in electric vehicles and hybrid extended-range electric vehicles; operating characteristics of high voltage onboard charging systems; charging stations, photovoltaic systems, and electrical grid charging. The course also covers the operation of onboard smart charging systems; economics of electric transportation, utility company systems, and existing options such as off-peak charging. Students will gain an understanding of the use of electric power as applicable to extended-range electric vehicle transportation; utilization of applicable diagnostic and service equipment; the electric vehicle theory of operation; advantages of an electric drive train; electric vehicle history and current status of plug-in electric vehicle technologies; career possibilities in the electric transportation industry; and safety procedures and maintenance of plug-in electric vehicles.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Demonstrates the ability to safely maintain and service a vehicle that uses a high voltage battery as a fuel source for the main propulsion.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	54.0
Laboratory	0.0
Total	54.0
Course Out-of-Class Hours	
Lecture	108.0
Laboratory	0.0
NA	0.0
Total	108.0

AUTO 367G
Gaseous Fuels

This course covers how gaseous fuels include propane, compressed natural gas, liquefied natural gas and hydrogen, and how propane has been used as an engine fuel for over 80-years. Students will learn that after gasoline and diesel, propane is the third most popular fuel and is used to power over four million vehicles. The course will also cover how compressed natural gas and liquefied natural gas are being used in many fleet applications and have a large pipeline distribution system; how hydrogen is used in a fuel cell to create electricity and expels water; how two major automobile manufacturers have introduced hydrogen-powered cars; and how as a society, we are moving towards having humans have less of an impact on our environment and the gaseous fuel are a big part of the movement.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Students will interpret the environmental affects gaseous fuel produce and which fuel has the lowest effect on our world. This will be determined with a group of questions on the final exam.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	54.0
Laboratory	0.0
Total	54.0
Course Out-of-Class Hours	
Lecture	108.0
Laboratory	0.0
NA	0.0
Total	108.0

AUTO 367J
Introduction to Automotive and Light Truck Diesel Systems

As of January 2010, California state law required light-duty diesel-powered vehicles to be included in the smog check program. Diesel's higher efficiency is moving these vehicles' highway mileage to over 40 miles per gallon. Chevrolet and Jeep are all adding diesel-powered vehicles into their new car line-up. This course will consist of lectures and laboratory demonstrations, providing our students with the necessary skills to maintain and repair light-duty diesel vehicles. Diesel training will give students new abilities that are required to be successful in their careers in the automotive industry.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Demonstrate the ability to understand diesel theory. • Develop a testing system to systematically trouble shoot diesel fuel systems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.5	9.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	54.0
Laboratory	0.0
Total	54.0
Course Out-of-Class Hours	
Lecture	108.0
Laboratory	0.0
NA	0.0
Total	108.0

CIS 308
Personal Computer Security Basics

This is a beginner's computer security course for small office or home users. Students will learn to stop hackers, worms, viruses, spyware, web bugs, identity theft, and other cyber threats. Vulnerabilities found in web browsers, e-mail, and operating systems will also be learned, along with how to protect against online purchase dangers, install firewalls, manage cookies, restrict ports, evaluate wireless networks, and examine encryption. The course includes numerous hands-on exercises to demonstrate security concepts. This noncredit, tuition-free course will be completed in the same class as CIS D108. students covering the same course content.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Determine the best plan of action to stop malware based on security breach scenarios.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	48.0
Laboratory	18.0
Total	66.0
Course Out-of-Class Hours	
Lecture	96.0

Laboratory	0.0
NA	0.0
Total	96.0

CIS 318A
Introduction to Unix/Linux

This course is an introduction to the features of the Unix/Linux operating system including text editing, text file manipulation, electronic mail, Internet utilities, directory structures, input/output handling, and shell features.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Use the Unix/Linux Operating System utilities and shell features for basic file manipulation, networking, and communication.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	48.0
Laboratory	18.0
Total	66.0
Course Out-of-Class Hours	
Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

CIS 340
Introduction to Programming in Python

This course provides a hands-on introduction to computation through programming and problem-solving. Using the popular Python programming language, students will learn software engineering concepts and basic programming constructs while creating graphical applications.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Design, code, document, analyze, debug, and test introductory level Python programs.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	48.0
Laboratory	18.0
Total	66.0
Course Out-of-Class Hours	
Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

CIS 369A
Technical Support Fundamentals

This course provides an introduction to Information Technology (IT). Students will learn important facets of Information Technology including computer hardware, the Internet, computer software, troubleshooting, and customer service. This course is specifically designed to provide an overview of what is to come in this certificate program.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Gather the basics of computer systems, assemble one and install an operating system. • Identify how the Internet works and its impact in the modern world. • Identity how applications are created, how their code executes on a computer and successfully apply problem-solving methodologies in an IT setting.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	48.0
Laboratory	18.0
Total	66.0
Course Out-of-Class Hours	
Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

CIS 369B
The Bits and Bytes of Computer Networking

This course is designed to provide a full overview of computer networking. It starts with the fundamentals of modern networking technologies and protocols, and advances to an overview of the cloud option for practical applications, with an emphasis on network troubleshooting.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Describe computer networks in terms of a five-layer model and the standard protocols involved with TCP/IP communications. • Associate powerful network troubleshooting tools and techniques and network services like DNS and DHCP.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)	12.0

Course In-Class (Contact) Hours

Lecture	48.0
Laboratory	18.0
Total	66.0

Course Out-of-Class Hours

Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

CIS 369C

Operating Systems and You: Becoming a Power User

In this course, through a combination of video lectures, demonstrations, and hands-on practice, learners will grasp the main components of an operating system and how to perform critical tasks like managing software, supporting users, and configuring hardware.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Configure disk partitions and filesystems and successfully leverage system logs and remote connection tools.
- Navigate the Windows and Linux filesystems using both a graphical user interface and a command line interpreter
- Setup user security, and install and configure software on multiple common operating systems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)	12.0

Course In-Class (Contact) Hours

Lecture	48.0
Laboratory	18.0
Total	66.0

Course Out-of-Class Hours

Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

CIS 369D

System Administration and IT Infrastructure Services

This course will transition learners from working on a single computer to supporting an entire data center. Systems administration is the field of IT that's responsible for maintaining reliable computer systems in a multi-user environment. In this course, students will learn the infrastructure services that keep all organizations, big and small, up and running. The material focuses particularly on the cloud, covering everything from typical cloud infrastructure setups to how to manage cloud resources. Students will learn how to manage and configure servers and how to use industry tools to manage computers, user information, and user productivity, as well as learn how to recover an organization's IT infrastructure in the event of a disaster.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Utilize best practices for choosing hardware, vendors, and services for your organization.
- Understand how the most common infrastructure services that keep an organization running work and how to manage infrastructure servers.
- Manage an organization.
- Learn about disaster recovery and use system administration knowledge to improve IT processes.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)	12.0

Course In-Class (Contact) Hours

Lecture	48.0
Laboratory	18.0
Total	66.0

Course Out-of-Class Hours

Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

CIS 369E

IT Security: Defense Against the Digital Dark Arts

This course covers a wide variety of IT security concepts, tools, and best practices. It introduces threats and attacks and demonstrates the many ways they can reveal themselves. It further explores the functionality of encryption algorithms and how they're used to safeguard data, and it introduces the three As of information security: authentication, authorization, and accounting. The use of network security solutions, ranging from firewalls to Wi-Fi encryption options, are also covered. The course is rounded out by combining all these elements together into a multi-layered, in-depth security architecture, supplemented by practical recommendations on how to integrate a culture of security into an organization or team.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Summarize how various encryption algorithms and techniques work and their benefits and limitations, various authentication systems and difference between authentication and authorization.
- Evaluate potential risks and recommend ways to reduce risk, make recommendations on how best to secure a network and help others to understand security concepts and protect themselves.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)	12.0

Course In-Class (Contact) Hours

Lecture	48.0
Laboratory	18.0
Total	66.0

Course Out-of-Class Hours

Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

CIS 398

Digital Image Editing Software (Photoshop)

The course covers digital imaging principles to produce graphics for websites. Students will gain hands-on experience with the elements and tools to set up files, manage documents, and perform image processing. This noncredit, tuition-free course will be completed in the same class with CIS D098. students covering the same course content.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes
- Demonstrate the correct use of Photoshop tools to alter existing graphics for the Internet, print applications, scientific research imaging, and medical imaging.
- Convert digital images and digital media into a movie format for interactive platforms of phone apps and web pages.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	48.0
Laboratory	18.0
Total	66.0
Course Out-of-Class Hours	
Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

CIS 399
Office Software Applications

This course introduces concepts and hands-on projects using four common office productivity software programs including word processing, spreadsheet, database, and presentation software. This noncredit, tuition-free course will be completed in the same class with CIS D099. students covering the same course content.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes
- Demonstrate correct format for creating letters using a word processing software.
- Create spreadsheets to solve business problems.
- Use of database software to create, search, modify and arrange information.
- Create a text/graphics presentation using presentation graphics software.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	1.5	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	48.0
Laboratory	18.0
Total	66.0
Course Out-of-Class Hours	
Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

EDAC 300
Workplace Communication Skills

This course focuses on the proper communication skills in written business formats, verbal presentations, and appropriate body language styles in order for students to be able to communicate effectively in competitive employment settings

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes
- Demonstrate assertive communication in appropriate role play situations.
- Practice the role of non-verbal language in the communication process.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	24.0
Laboratory	0.0
Total	24.0
Course Out-of-Class Hours	
Lecture	48.0
Laboratory	0.0
NA	0.0
Total	48.0

EDAC 304
Soft Skills

Effective soft skills, communication skills, and problem solving skills will be examined and identified. Students will practice such skills in collaborative projects, role-playing activities, and in real-life situations.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes
- Exhibit soft skills to interact appropriately and harmoniously with others.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	24.0
Laboratory	0.0
Total	24.0
Course Out-of-Class Hours	

Lecture	48.0
Laboratory	0.0
NA	0.0
Total	48.0

EDAC 307

Notetaking Technologies and Strategies

A review of digital notetaking technologies and related strategies that enhance learning and retention of information, and support students' specific learning styles.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Evaluate current digital note-taking technologies and supporting mobile applications.
- Summarize best practices related to digital note-taking systems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	24.0
Laboratory	0.0
Total	24.0
Course Out-of-Class Hours	
Lecture	48.0
Laboratory	0.0
NA	0.0
Total	48.0

EDAC 312

Basic English Skills for Students with Disabilities

Basic reading and writing skills for students with disabilities. This course is to prepare students for college level reading and writing courses.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Respond analytically and critically to readings.
- Create a proper and organized paragraph.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	24.0
Laboratory	0.0
Total	24.0
Course Out-of-Class Hours	

Lecture	48.0
Laboratory	0.0
NA	0.0
Total	48.0

EDAC 313

Basic Math Skills for Students with Disabilities

Basic math functions such as addition, subtraction, multiplication, and division. Students will also be introduced to decimals, fractions, and proportions.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Demonstrate skills in basic arithmetic and be able to calculate using fractions, decimals, and percent.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	24.0
Laboratory	0.0
Total	24.0
Course Out-of-Class Hours	
Lecture	48.0
Laboratory	0.0
NA	0.0
Total	48.0

ESL 400

High Beginning English as a Second Language

This course focuses on the development of English listening, speaking, reading, and writing skills at the high-beginning level with an emphasis on explicit, direct grammar instruction. Students will practice listening to basic forms of conversational English and speaking with comprehensible pronunciation; develop basic reading comprehension and vocabulary; and practice writing simple and basic compound sentences, short narratives, explanations, and descriptions.

Course Information

Transferability Not transferable

Formerly Statement
(Formerly ESL D300.)

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Comprehend and respond to high-beginning reading and listening materials.
- Write a group of topic-related sentences using high-beginning grammar and vocabulary.
- Demonstrate understanding and usage of high-beginning grammar and vocabulary in reading, writing, listening and speaking.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	10.0	20.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	120.0
Laboratory	0.0
Total	120.0
Course Out-of-Class Hours	
Lecture	240.0
Laboratory	0.0
NA	0.0
Total	240.0

ESL 434
Low Intermediate English as a Second Language

This course focuses on the development of English speaking, listening, reading, and writing skills at the low intermediate level. Emphasis will be placed on explicit grammar instruction, writing a group of topic-related sentences, vocabulary building, pronunciation, and discussion of multicultural topics.

Course Information

Transferability Not transferable

Formerly Statement
(Formerly ESL D334.)

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Comprehend, analyze and respond to reading and listening low intermediate materials.
- Write a group of topic-related sentences using low intermediate grammar and vocabulary.
- Demonstrate understanding and usage of low intermediate grammar and vocabulary in reading, writing, listening and speaking.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	10.0	20.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	120.0
Laboratory	0.0
Total	120.0
Course Out-of-Class Hours	
Lecture	240.0
Laboratory	0.0
NA	0.0
Total	240.0

ESL 444
Intermediate English as a Second Language

This course focuses on the development of English speaking, listening, reading, and writing skills with an emphasis on explicit, direct grammar instruction. Emphasis will be placed on vocabulary-building and writing. Pronunciation practice and discussion of cross-cultural topics are also included.

Course Information

Transferability Not transferable

Formerly Statement
(Formerly ESL D344.)

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Comprehend, analyze and respond to reading and listening intermediate materials.
- Write a group of topic-related sentences using level specific grammar and vocabulary.
- Demonstrate understanding and usage of level-specific grammar and vocabulary in reading, writing, listening and speaking.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	10.0	20.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	120.0
Laboratory	0.0
Total	120.0
Course Out-of-Class Hours	
Lecture	240.0
Laboratory	0.0
NA	0.0
Total	240.0

ESL 451
High Intermediate Listening and Speaking

This course will explore English speaking and listening practice in a variety of contexts, along with the development of vocabulary appropriate in both formal and informal situations.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Produce comprehensible high-intermediate spoken English through one-on-one, group, and public speaking situations on academic topics.
- Demonstrate listening comprehension of a variety of high-intermediate listening materials, including academic lectures, newscasts, interviews and dialogues by taking notes and answering questions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	24.0
Laboratory	0.0
Total	24.0
Course Out-of-Class Hours	
Lecture	48.0
Laboratory	0.0
NA	0.0
Total	48.0

ESL 455
High Intermediate Grammar, Writing and Reading

This course focuses on the development of high-intermediate reading comprehension, vocabulary, and writing skills using high-intermediate grammar. Students will write well-organized and well-developed descriptive, narrative, and explanatory paragraphs.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Develop high intermediate English reading comprehension skills and vocabulary building skills in extended written materials.
- Demonstrate understanding and usage of high intermediate vocabulary in readings and writing.
- Write well-developed, single and connected narrative, descriptive, and explanatory paragraphs demonstrating high intermediate grammar and vocabulary in response to reading materials.
- Evaluate own writing for rhetorical structure, clarity, organization, and grammatical correctness by means of revision and editing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	6.0	12.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks) 12.0

Course In-Class (Contact) Hours

Lecture 72.0

Laboratory 0.0

Total 72.0

Course Out-of-Class Hours

Lecture 144.0

Laboratory 0.0

NA 0.0

Total 144.0

ESL 460A
American English Pronunciation 1

This course focuses on understanding native speakers' speech and production of speech that is intelligible and accurate through the study and practice of the English language vowel sounds, syllables, and prosodic patterns and features.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Demonstrate knowledge of the American English pronunciation by discriminating vowel sounds, syllables, stress, rhythm, and intonation patterns.
- Apply the knowledge of the American English vowel sounds, syllables, stress, rhythm, and intonation patterns by orally producing level-appropriate speech that is intelligible and accurate.
- Demonstrate the ability to analyze one's own speech errors and correct them independently.
- Comprehend and respond appropriately to native speakers' spoken English.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks) 12.0

Course In-Class (Contact) Hours

Lecture 36.0

Laboratory 0.0

Total 36.0

Course Out-of-Class Hours

Lecture 72.0

Laboratory 0.0

NA 0.0

Total 72.0

ESL 460B
American English Pronunciation 2

This course focuses on understanding native speakers' speech and production of speech that is intelligible and accurate through the study and practice of the English language consonant sounds, voicing, aspiration, grammatical endings, linking, and sound change.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Demonstrate knowledge of the American English pronunciation by discriminating consonant sounds, voicing, aspiration, grammatical endings, linking, and sound change.
- Apply the knowledge of the American English consonant sounds, voicing, aspiration, grammatical endings, linking, and sound change by orally producing level-appropriate speech that is intelligible and accurate.
- Demonstrate the ability to analyze one's own speech errors and correct these errors independently.
- Comprehend and respond appropriately to native speakers' spoken English.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks) 12.0

Course In-Class (Contact) Hours

Lecture 36.0

Laboratory 0.0

Total 36.0

Course Out-of-Class Hours

Lecture 72.0

Laboratory 0.0

NA 0.0

Total 72.0

ESL 461
Low Advanced Listening and Speaking

This course emphasizes listening comprehension and proficiency in speaking in academic settings and the expression of students' ideas using a variety of speaking strategies. Students will develop vocabulary, pronunciation, and note-taking skills.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Produce comprehensible low advanced spoken English on academic topics through one-on-one, group and public speaking situations.
- Demonstrate listening comprehension of a variety of low advanced materials, including academic lectures, newscasts, dialogues and interviews by taking notes and answering questions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	24.0
Laboratory	0.0
Total	24.0
Course Out-of-Class Hours	
Lecture	48.0
Laboratory	0.0
NA	0.0
Total	48.0

ESL 465
Low Advanced Grammar, Writing and Reading

This course focuses on the development of low-advanced skills for writing clear, organized, well-developed multi-paragraph compositions, grammar, sentence structure, and reading comprehension and vocabulary.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Write well-developed, connected, analytical paragraphs in response to reading materials. • Evaluate own writing for unity, coherence, clarity, development and rhetorical structure by means of revision and editing. • Demonstrate understanding and usage of low-advanced grammar, sentence structure, and vocabulary in writing and reading. • Demonstrate reading comprehension skills of low-advanced academic reading materials and fiction. • Identify and analyze organization and rhetorical modes of extended reading materials.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	6.0	12.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	72.0
Laboratory	0.0
Total	72.0
Course Out-of-Class Hours	
Lecture	144.0
Laboratory	0.0
NA	0.0
Total	144.0

ESL 472
Advanced Reading and Vocabulary

This course focuses on the development of academic vocabulary, reading, and critical thinking skills through extensive readings of college-level material in English.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Demonstrate comprehension of literal and inferred meanings of fiction and nonfiction texts. • Demonstrate critical analysis and evaluation of ideas, persuasive techniques, and/or validity of arguments found in readings through responsive writing. • Demonstrate in writing the understanding and use of academic vocabulary with few basic errors. • Identify main arguments and supporting ideas/examples of expository prose in selected readings.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	48.0
Laboratory	0.0
Total	48.0
Course Out-of-Class Hours	
Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

ESL 473
Introduction to the Essay

The course introduces the principles and techniques of academic essay writing based on critical reading and thinking.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Write well-developed essays that analyze and synthesize main ideas and differing viewpoints from a variety of academic reading materials. • Demonstrate advanced grammar, sentence structures and vocabulary in writing. • Evaluate one's own writing for rhetorical structure and clarity by means of revision and editing.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	48.0
Laboratory	0.0
Total	48.0
Course Out-of-Class Hours	

Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

ESL 474

Advanced Grammar and Proofreading for Writers

This is an advanced grammar course. It focuses on helping students improve their grammar and editing skills to become successful academic writers. The course addresses the students' individual grammar needs and helps develop effective proofreading skills.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Analyze and use English grammar, usage and mechanics for correctness in writing for various academic purposes. • Evaluate own writing to edit and proofread effectively. • Develop awareness of error patterns and make corrections and improvements to those patterns.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	3.0	6.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	36.0
Laboratory	0.0
Total	36.0
Course Out-of-Class Hours	
Lecture	72.0
Laboratory	0.0
NA	0.0
Total	72.0

JOUR 361A

Student News Media Production I

This course allows students to gain practical experience in creating basic news and feature content as members of the college newspaper, magazine or online media staff.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Create content for publication online or in print using multiple sources. • Report and write news, feature and opinion pieces using appropriate sources and following ethical guidelines and journalistic conventions for student news media. • Describe and apply legal and ethical aspects of student news media. • Develop a portfolio of basic assignments in at least two areas (print, online, multimedia, video, photo) suitable for publication in a newspaper or for a news organization website.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	0.0	0.0
Laboratory Hours	9.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	0.0
Laboratory	108.0
Total	108.0
Course Out-of-Class Hours	
Lecture	0.0
Laboratory	0.0
NA	0.0
Total	0.0

MATH 309

Intermediate Algebra for Statistics

This course covers applications of linear and exponential functions, with emphasis on developing models of real-world applications and interpretation of their characteristics, and an introduction to discrete probability and data analysis, using graphical and numerical techniques.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Evaluate real-world situations and distinguish between and apply linear and exponential function models appropriately. • Analyze, interpret, and communicate results of linear and exponential models in a logical manner. • Organize sample data by constructing and/or evaluating tables, graphs, and numerical measures of characteristics of data.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	60.0
Laboratory	0.0
Total	60.0
Course Out-of-Class Hours	
Lecture	120.0
Laboratory	0.0
NA	0.0
Total	120.0

MATH 314

College Math Preparation Level 3: Intermediate Algebra

This course covers the application of exponential, logarithmic and rational functions, with emphasis on the development of models of real-world applications and interpretation of their characteristics.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Evaluate real-world situations and distinguish between and apply linear and exponential function models appropriately.
- Analyze, interpret, and communicate results of linear and exponential models in a logical manner.
- Organize sample data by constructing and/or evaluating tables, graphs, and numerical measures of characteristics of data.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	60.0
Laboratory	0.0
Total	60.0
Course Out-of-Class Hours	
Lecture	120.0
Laboratory	0.0
NA	0.0
Total	120.0

MATH 330
Intermediate Algebra for Precalculus

This course covers the application of linear functions, quadratic functions, exponential functions, logarithmic functions and linear systems, with an emphasis on the development of models of real-world applications and interpretation of their characteristics.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Evaluate real-world situations by applying linear, quadratic and exponential function models appropriately.
- Distinguish between and manipulate linear, quadratic and exponential models.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	60.0
Laboratory	0.0
Total	60.0
Course Out-of-Class Hours	
Lecture	120.0
Laboratory	0.0
NA	0.0
Total	120.0

MATH 410
College Math Preparation Level 1: Pre-Algebra

Topics include the use of basic arithmetic in application problems, estimation, the real number system, variables and linear equations, graphs of linear equations and the Cartesian coordinate system, and the concept of function.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Demonstrate and apply a systematic and logical approach to solving arithmetic and geometric problems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	60.0
Laboratory	0.0
Total	60.0
Course Out-of-Class Hours	
Lecture	120.0
Laboratory	0.0
NA	0.0
Total	120.0

MATH 410X
Support for Statistics

This is a review of core prerequisite skills, competencies, and concepts needed when studying probability and statistics, intended for students who are concurrently enrolled in Statistics.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Demonstrate mathematical concepts, skills, and numeracy needed for understanding Probability and Statistics.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	30.0
Laboratory	0.0
Total	30.0
Course Out-of-Class Hours	
Lecture	60.0
Laboratory	0.0
NA	0.0
Total	60.0

MATH 412
College Math Preparation Level 2: Beginning Algebra

Topics include the application of linear functions, quadratic functions, and linear systems to problems, with emphasis on the development of models of real-world applications and interpretation of their characteristics.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes
- Evaluate real-world situations and distinguish between and apply linear and quadratic function models appropriately.
- Analyze, interpret, and communicate results of linear and quadratic models in a logical manner from four points of view - visual, formula, numerical, and written.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	5.0	10.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	60.0
Laboratory	0.0
Total	60.0
Course Out-of-Class Hours	
Lecture	120.0
Laboratory	0.0
NA	0.0
Total	120.0

MATH 431
Algebra Support for Precalculus I

This course is a review of the core prerequisite skills, competencies, and concepts needed when studying polynomial and rational functions, intended for majors in business, science, technology, engineering, and mathematics who are concurrently enrolled in Precalculus I.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes
- Demonstrate sound algebraic techniques by applying proper mathematical notation to problems involving functions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	30.0
Laboratory	0.0
Total	30.0
Course Out-of-Class Hours	
Lecture	60.0
Laboratory	0.0
NA	0.0
Total	60.0

MATH 431A
Algebra Support for Precalculus I (Part 1)

This course is a review of core prerequisite skills, competencies, and concepts needed when studying polynomial and rational functions, intended for majors in business, science, technology, engineering, and mathematics who are concurrently enrolled in Precalculus I.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes
- Demonstrate sound algebraic techniques by applying proper mathematical notation to problems involving algebraic functions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	30.0
Laboratory	0.0
Total	30.0
Course Out-of-Class Hours	
Lecture	60.0
Laboratory	0.0
NA	0.0
Total	60.0

MATH 431B
Algebra Support for Precalculus I (Part 2)

This is a review of core prerequisite skills, competencies, and concepts needed when studying exponential and logarithmic functions, intended for majors in business, science, technology, engineering, and mathematics who are concurrently enrolled in Precalculus I.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes
- Demonstrate sound algebraic techniques by applying proper mathematical notation to problems involving transcendental functions.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	30.0
Laboratory	0.0
Total	30.0
Course Out-of-Class Hours	
Lecture	60.0
Laboratory	0.0
NA	0.0
Total	60.0

MATH 432

Algebra Support for Precalculus II

This course is a review of core prerequisite skills, competencies, and concepts needed in studying the theory of trigonometric functions and their applications, intended for majors in business, science, technology, engineering, and mathematics who are concurrently enrolled in Precalculus II.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes
- Demonstrate sound algebraic techniques by applying proper mathematical notation to trigonometric problems.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.5	5.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	30.0
Laboratory	0.0
Total	30.0
Course Out-of-Class Hours	
Lecture	60.0
Laboratory	0.0
NA	0.0
Total	60.0

PHTG 301

Basic Photography

This is an introduction to black and white photography, providing an overview of the 35mm single-lens reflex camera operating system. Students will gain a basic understanding of film processing, printing, and finishing while developing critical thinking skills to analyze historical, cultural, conceptual, and practical aspects of a medium used worldwide. The course is preparation for further work in photography including digital imaging.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes
- Demonstrate a working knowledge of wet darkroom processes to create photographs using a 35mm film camera.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	24.0
Laboratory	36.0
Total	60.0
Course Out-of-Class Hours	
Lecture	48.0
Laboratory	0.0
NA	0.0
Total	48.0

PHTG 303

Advanced Photography

This course covers advanced photography in film or digital formats. Students will learn to capture, process and print technically and well-conceived images, and to organize and assemble a strong group of images that are conceptually strong and exhibit a distinct personal vision. Students will further refine their critical thinking skills to analyze historical, cultural, conceptual, and practical aspects of the photographic medium.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes
- Demonstrate a working knowledge of advanced capture, processing, and printing for the organization of a final portfolio.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	24.0
Laboratory	36.0
Total	60.0
Course Out-of-Class Hours	
Lecture	48.0
Laboratory	0.0
NA	0.0
Total	48.0

PHTG 304

Introduction to Digital Photography

This is an introduction to digital photography and digital imaging processes. Students will gain proficiency in the use of a digital camera and explore the digital darkroom using Adobe Lightroom. They will build skills in digital print output for both fine art and commercial applications, while gaining knowledge of issues in contemporary photography and learning to analyze and discuss photographic imagery. Experience in basic beginning photography and wet darkroom practices is recommended.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes
- Apply basic digital camera skills to create images.
- Demonstrate a working knowledge of the digital darkroom using Adobe Lightroom.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	24.0
Laboratory	36.0
Total	60.0
Course Out-of-Class Hours	
Lecture	48.0

Laboratory	0.0
NA	0.0
Total	48.0

PHTG 305
Intermediate Digital Photography

This course provides further study of digital photography and digital imaging processes. Students will learn to gain greater control over the quality of digital images through shooting RAW, organization and development through Lightroom, and image editing with Photoshop. They will learn to create a workflow for producing high-quality prints while discussing and analyzing current trends in photography.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Apply digital camera skills to create images. • Demonstrate a working knowledge of the digital darkroom integrating Adobe Lightroom and/or Photoshop.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	24.0
Laboratory	36.0
Total	60.0
Course Out-of-Class Hours	
Lecture	48.0
Laboratory	0.0
NA	0.0
Total	48.0

PHTG 357A
Commercial Lighting I

This course teaches students basic lighting skills while building an understanding of the use of artificial light sources and associated equipment in a studio environment. It also covers control of lighting ratios, contrast, texture and form, reflection, and exposure. Students will produce photographic images relevant to the techniques and production methods covered.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Students will create photographic images using basic commercial lighting techniques.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	24.0
Laboratory	36.0
Total	60.0
Course Out-of-Class Hours	
Lecture	48.0
Laboratory	0.0
NA	0.0
Total	48.0

PHTG 357B
Commercial Lighting II

This course covers intermediate to advanced lighting skills. Students will learn complex lighting for reflective surfaces, commercial portraits, and exterior and interior architectural shooting. They will produce photographic images relevant to the techniques and production methods covered while gaining an understanding of commercial studio organization and operation.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Students will create photographic images using intermediate/advanced commercial lighting techniques. • Prepare a professional portfolio presentation including resume.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	24.0
Laboratory	36.0
Total	60.0
Course Out-of-Class Hours	
Lecture	48.0
Laboratory	0.0
NA	0.0
Total	48.0

PHTG 358A
Photographic Photoshop I

This is an introduction to digital imaging using Photoshop, including an overview of the Macintosh operating system and a basic understanding of image capture, input, storage, and output. Students will learn specific photographic methods and controls to create and manage imagery in an all-digital environment. The course also covers the development of critical thinking skills to analyze diverse cultural, intellectual, philosophical, ethical, and aesthetic concerns of the photographic medium as a part of new technologies.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Apply basic digital camera handling skills to create images using Photoshop editing techniques.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	

Lecture	24.0
Laboratory	36.0
Total	60.0
Course Out-of-Class Hours	
Lecture	48.0
Laboratory	0.0
NA	0.0
Total	48.0

PHTG 358B

Photographic Photoshop II

This course teaches students to refine their digital imaging skills using Photoshop while learning channel mixing, advanced layering, and masking techniques. Topics include color management, optimization of the toolbox, an introduction to large format printing, and the use of specific photographic methods and controls to create and manage imagery in an all-digital environment. Students will develop critical thinking skills to analyze diverse cultural, intellectual, philosophical, ethical, and aesthetic concerns of the digital photograph.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Create digital images using intermediate/advanced Photoshop editing techniques.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	2.0	4.0
Laboratory Hours	3.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	24.0
Laboratory	36.0
Total	60.0
Course Out-of-Class Hours	
Lecture	48.0
Laboratory	0.0
NA	0.0
Total	48.0

REST 350

Real Estate Principles

This course teaches the fundamental principles of real estate, including economics, law, working concepts, forms, and terminology. It is a noncredit, tuition-free course that will be completed in the same class with REST D050. students covering the same course content. REST D350. is not CSU transferable and does not provide credit toward a degree. This course can be applied toward the educational requirements of the California Real Estate Salesperson and Broker license examinations.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Demonstrate a knowledge of how real property is described, acquired, appraised, financed, encumbered and leased.
- Describe how title to real property is held in California.
- Evaluate factually simple real estate contract issues from a buyer's, seller's and real estate agent's perspective and identify and evaluate ethical issues in a California real estate context.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	48.0
Laboratory	0.0
Total	48.0
Course Out-of-Class Hours	
Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

REST 351

Real Estate Practices

This course focuses on real estate business practices including procedures, forms, and contracts. It is a noncredit, tuition-free course that will be completed in the same class as REST D051. students covering the same course content. REST D351. is not CSU transferable and does not provide credit toward a degree. This course can be applied toward the educational requirements of the California Real Estate Salesperson and Broker license examinations.

Course Information

Transferability Not transferable

Repeatability (No limit on student re-enrollment for 0 unit courses.)

Student Learning Outcomes

- Demonstrate an ability to handle offers, including negotiating and making counteroffers.
- Describe the events that take place after a purchase and sale agreement is signed.
- Describe the functions of a property manager and identify the types of documents commonly used by property managers.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	48.0
Laboratory	0.0
Total	48.0
Course Out-of-Class Hours	
Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

REST 352A

Legal Aspects of Real Estate

This course covers California real property laws with an emphasis on their practical application. Topics include sources of real estate law, classes of property, fixtures, easements, estates or interest in real property, contracts of sale, covenants, conditions, and restrictions. It is a noncredit, tuition-free course that will be completed in the same class with REST D052A students covering the same course content. REST D352A is not CSU transferable and does not provide credit toward a degree. This course can be applied toward the educational requirements of the California Real Estate Salesperson and Broker license examinations. See dre.ca.gov for current license requirements.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Demonstrate a knowledge of the basic workings of the legal system in California and the United States as it applies to California real estate and demonstrate a knowledge of the various types of listing agreements. • Explain and evaluate the real estate licensing process and the administrative agencies that regulate the California real estate industry. • Explain and evaluate the different forms of holding title to real estate in California and risks/returns therein.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	48.0
Laboratory	0.0
Total	48.0
Course Out-of-Class Hours	
Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

REST 353
Real Estate Finance

This course covers regulations and procedures for financing real estate. Topics include types of lenders, primary and secondary investors, and methods and guidelines for qualifying for real property loans. It is a noncredit, tuition-free course that will be completed in the same class as REST D053. students covering the same course content. REST D353. is not CSU transferable and does not provide credit toward a degree. This course can be applied toward the educational requirements of the California Real Estate Salesperson and Broker license examinations. See dre.ca.gov for current license requirements.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Demonstrate knowledge of how real estate is financed in California from a lending, regulatory and borrowers perspective. • Demonstrate knowledge as to the real estate lending/borrowing process from underwriting and qualifying through funding and loan retirement.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	48.0
Laboratory	0.0
Total	48.0
Course Out-of-Class Hours	
Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

REST 355
Real Estate Property Management

This course provides a practical approach for handling problems encountered by owners and managers of residential and income properties. Topics include client relationships, property inspection, scheduling maintenance, screening tenants, legal considerations, risk management, handling, and negotiating leases, staffing, marketing techniques, working relationships, financial reporting, record maintenance, and insurance. It is a noncredit, tuition-free course that will be completed in the same class as REST D055. students covering the same course content. REST D355. is not CSU transferable and does not provide credit toward a degree. This course can be applied toward the educational requirements of the California Real Estate Salesperson and Broker license examinations. See dre.ca.gov for current license requirements.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Create property management marketing plan. • Identify essential lease provisions. • Identify best practices to reduce property management risk.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0
Course In-Class (Contact) Hours	
Lecture	48.0
Laboratory	0.0
Total	48.0
Course Out-of-Class Hours	
Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

REST 361
Real Estate Investments

This real estate investments course explores investments in apartments, commercial and industrial buildings. Topics include capital gains calculations, tax implications, installment sale methods, tax-deferred exchange, appraisal methods, financing, leases, and land development and syndication. It is a noncredit, tuition-free course that will be completed in the same class as REST D061. students covering the same course content. REST D361. is not CSU transferable and does not provide credit toward a degree. This course may not apply to the DRE Salesperson license.

Course Information

Transferability	Not transferable
Repeatability	(No limit on student re-enrollment for 0 unit courses.)
Student Learning Outcomes	• Identify, analyze and evaluate real estate investments and construct cash flow models utilizing discounted cash flows for analysis of economic viability of investment property. • Evaluate the risks and returns of real estate investment in residential, commercial, industrial properties as well as land development. • Explain and evaluate the taxation and financing issues in the acquisition, ownership and sale of real estate investments.

Hours

Weekly Student Hours

Type	In Class	Out of Class
Lecture Hours	4.0	8.0
Laboratory Hours	0.0	0.0

Course Student Hours

Course Duration (Weeks)	12.0

Course In-Class (Contact) Hours

Lecture	48.0
Laboratory	0.0
Total	48.0

Course Out-of-Class Hours

Lecture	96.0
Laboratory	0.0
NA	0.0
Total	96.0

Administrators

BALDUCCI, LAUREEN 2019
Dean, Counseling and Disability Support Programs and Services
A.A., Cazenovia College
B.A., Alfred University
M.S., State University of New York at Oneonta

BLISS, SAM 2016
Dean, Community Education
B.A., Princeton University
M.A., Santa Clara University

BRYANT, RANDY 2001
Dean, Career Technical Education and Workforce Development
A.S., College of the Air Force
B.A., American Military University
M.A., Eastern New Mexico University

CAMPBELL, YVETTE 2016
Director, STEM Success Program
B.A., M.S., San Francisco State University
Ph.D., University of California, Santa Cruz

CORTEZ, ALICIA 1990
Dean, Equity and Engagement
B.A., Saint Mary's College
M.S.W., University of California, Berkeley
M.A., San José State University

ESPINOSA-PIEB, CHRISTINA G. 1982
Vice President, Instruction
B.S., University of Phoenix
M.A., University of San Francisco

FAYEK, MOATY 2012
Dean, Business, Computer Science and Applied Technologies
B.S., Cairo University
M.S., California State University, Chico
Ed.D., Ferris State University

GALOYAN, NAZY 2018
Dean, Enrollment Services
A.A., Foothill College
B.S., San Francisco State University
M.A., San José State University

GANNON, PATRICK 2002
Director, Campus Center and Bookstore
B.S., Palo Alto University

GREY, PAM 2016
Vice President, Administrative Services
B.P.A., University of San Francisco
MBA, Presidio Graduate School

HANNON, RON 2021
Director, Athletics
A.A., Gavilan College
B.S., M.A., San José State University

HARADA, NAOKO 2007
Director, Child Development Center
B.A., University of the Sacred Heart
M.A., San Francisco State University

HOLMES, LLOYD A. 2020
President
A.A., Itawamba Community College
B.Accy., M.Ed., Ph.D., University of Mississippi

KHOSRAVI, MEHRDAD 2008
Dean, Physical Sciences, Mathematics and Engineering
B.S., M.S., Ph.D., University of Central Florida

LEBLEU-BURNS, MICHELE 2007
Dean, Student Development and EOPS
B.A., San José State University
M.A., Santa Clara University
E.D., Saint Mary's College of California

LEE, DEBBIE 2021
Dean, Intercultural and International Studies
A.A., City College of San Francisco
B.A., M.A., San Francisco State University

MAHATO, JENNIFER 2021
Director, College Operations
B.A., MIchigan State University
M.S., Eastern Michigan University
M.S., Lawrence Technological University

MANDY, LISA 2013
Director, Financial Aid and Scholarships
B.S., American Intercontinental University

MASSAD, SANA 2021
Director, Nursing
M.S.N., George Mason University

MENDOZA, ERIC 2019
Dean, Physical Education and Athletics
A.A., Fresno City College
B.A., California State University, Fresno
M.A., Fresno Pacific University

MIESO, ROB 1994
Vice President, Student Services
B.A., National University
M.A., Ed.D., Fielding Graduate University

MUTHYALA-KANDULA, ANITA 2011
Dean, Biological, Health and Environmental Sciences
MBBS, Gandhi Medical College

NOGRA, ROSAFEL A. 2019
Director, Student Health Services
A.S., De Anza College
B.S., M.S., California State University, Los Angeles
D.N.P., Maryville University

RAMOS, ELVIN 2020
Dean, Social Sciences and Humanities
B.A., M.A., Adelphi University
D.A., St. John's University

RAY, THOMAS 2010
Interim Associate Vice President, Instruction
B.A., University of Minnesota
M.F.A., Louisiana State University
Ph.D., University of Nebraska

RODRIGUEZ, JORGE 2021
Manager, Operations
A.A., San José CIty College

SKAGER, KRISTIN 1999
Acting Dean, Language Arts
B.A., Humboldt State University
M.A., San Francisco State University

SMITH, DANIEL 2019
Dean, Creative Arts
B.A., California State University, Fullerton
M.F.A., California State University, Fullerton

SPATAFORE, MARISA 2006
Associate Vice President, Communications and External Relations
B.S., West Virginia University
M.A., San Francisco State University

VARELA, MARTIN 2017
Director, College Fiscal Services
B.A., Menlo College

Classified Professionals

ABAD, SOFIA 1989
Occupational Training Institute

ABDULLAEVA, KAMILLA 2019
Admissions and Records

AGUILAR, MELISSA 2010
Student Success Center

AGUILAR, NATHALY 2021
President's Office

AGUSTIN, MEGAN 2020
Mailrooom

ALAMBAN, CARLITA 1990
Occupational Training Institute

AMIT, ROLAND 2005
Admissions and Records

APARICIO, VERONICA 2008
Admissions and Records

AREBALO, MARYBELL 2022
Child Development Center

ARGABRITE, DIANA 2001
Euphrat Museum of Art

ARMSTRONG, DEBORAH 2002
Disabled Student Programs and Services

ARREOLA, MARITZA 2020
College Life

ARRINGTON, JOVANAH 2021
Physical Education and Athletics

ASKINS, MICHAEL 2017
Planetarium

AUROPREM, NAGALAKSHMI 2015
Library Services

AVILA GARCIA, JOSE 2020
Grounds

BACHMAN, CLARE 2019
Disability Support Programs and Services

BAEZ-ACEVEDO, MIGUEL 1991
Operations

BAILEY, BRANDON 2016
Communications

BAILEY, THOMAS 2017
Nursing

BAYS, CHING 2017
Physical Sciences, Math and Engineering

BDZIL, MARGARET 2001
Career Technical Education

BETOSIP, MARI 2019
Financial Aid

BONNER, CHRISTIAN 2007
Creative Arts

BOSTICK, SASHA 2019
Biological, Health and Environmental Services

BOOYE, MARILYN 1990
Extended Opportunities Programs and Services

BREAULT, EDWARD 1995
Learning Resources

BROWN, JAYME 2014
Academic Services

BURDICK, MARIVIC 2013
College Operations

BURLANESCU, LIDIA 2016
Biology

BYARS, DAVID 2008
Learning Resources

CABRERA, DEBORAH 2014
Deaf and Hard of Hearing Services

CALE, DONNA 2014
Disability Support Programs and Services

CAMPBELL, MAZZETTA 2019
Child Development Center

CARDOZA, SANDRA 2008
Learning Resources

CARUANA, TRACY 2017
Educational Diagnostic Center

CARUNGAY, EDWIN 2017
Communications

CERVANTES, EMIGDIO 2008
College Operations

CERVANTES, LETICIA 1999
College Operations

CHACKO, VINS 2017
Career Technical Education

CHAN, AMMALINH 2019
Student Development

CHAN, SOKUNTHEARA 2020
Health Services

CHAND, SUSHINI 2017
General Counseling

CHANG, MI 2002
Curriculum/Scheduling

CHAPMAN, STACY 2005
Disability Support Programs and Services

CHENEY, MELODIE 1998
Admissions and Records

CHO, HUA-CHING 2014
Child Development Center

CHUNG-TABANGCURA, TRACY 2000
Articulation and Transfer Services

CLARK-TILLMAN, MARY 1999
Curriculum

CONTRERAS, ADAM 2008
College Operations

CONTRERAS, BRANDY 2017
College Operations

CORNELL, RAYMOND 2019
Physical Education

CORRALES, FRANKIE 1997
College Operations

CUSTODIO, MARLO 2019
Communications

DEL RIO, PATRICIA 2017
General Counseling

DIAZ, JUAN 2019
Communications

DICKARD, JEFFREY 2006
Admissions and Records

DI GREGORIO, BECKI 2004
Extended Opportunities Programs and Services

DOAN, LUCY 2000
Scheduling

DOAN, MICHELLE 2000
Physical Sciences, Math and Engineering

DUONG, GIOI 2010
College Operations

DUQUE, INGRID FELK 2007
Occupational Training Institute

ECHEVERRIA, ARMANDO 2005
Adapted Physical Education

ESQUIVEL MORENO, ANGÉLICA 2017
Academic Services

ESPINO, AGUSTIN 2017
Design and Manufacturing Technologies

ESPINOSA PRADOS, MARTHA 2019
Outreach and Relations with Schools

ESTRADA, ALFREDO 2001
College Operations

EVERT, OLGA 2008
Instruction

FERREIRA, ANA MARIA 2012
College Operations

FERREIRA, EDUARDO 2018
Custodial

FERRER, MARK 2014
Disabled Student Programs and Services

FLORES, ERIKA 2016
Student Success and Support Program

FUQUA, BOO 2019
Educational Diagnostic Center

FOSNAUGH, MICHAEL 2001
Disabled Student Programs and Services

FRAGOZA, ROSA-ANN 2017
Health Services

FRANCO, KAREN 2007
Deaf and Hard of Hearing Services

FUENTES, MARITZA 2014
Child Development Center

FUKUYAMA, KIMBERLY T. 2006
Educational Diagnostic Center

GALVAN, GRACY 2018
Community Education

GALINDO, MICHAEL 2016
Disabled Student Programs and Services

GARCIA, ADRIANA 2016
Equity, Social Justice and Multicultural Education

GARG, ADDY 2021
Testing and Tutorial Center

GARRIDO, DAVID 1991
Online Education Center

GARSIN, JOSHUA 2022
Chemistry

GERARD, TERI 2007
College Fiscal Services

GHAMRAWI, ABDUL 2010
Business, Computer Science and Applied Technologies

GIBSON, PIPPA 2001
Administrative Services

GILBERTSON, KIMBERLY 2005
Adapted Physical Education

GILLELAND, MAX 2002
Design and Manufacturing Technologies

GILMORE, JOSEPH 2017
Admissions and Records

GODOY RODRIGUEZ, MAYRA 2019
Financial Aid

GORE, SALLY 1989
College Operations

GUST, MYRNA 2015
Child Development Center

GUZMAN, CLAUDIA 2016
Professional Development

HARRELL, ALEX 2015
Communications

HATT, LISA 2000
Library

HAWTHORN, MARGARITA 2002
Community Education

HEIN, GEORGE 1997
Language Arts

HERNANDEZ, FRANCISCO 2015
College Operations

HERNANDEZ, JUAN 2006
College Operations

HERNANDEZ, NANCY 2014
Disabled Student Programs and Services

HERNANDEZ MAZARIEGOS, MARIA 2016
Student Development

HERNANDEZ-SMITH, ANDRES 2022
Automotive Technology

HILER, LAURA 2016
Financial Aid

HO, SUSAN 2001
Physical Education and Athletics

HO, TRUNG 2015
Disabled Student Programs and Services

HOANG, GARETT 2019
Language Arts

HUNTER, KAREN KAY 2005
Financial Aid

HUYNH, ANDY 2007
Assessment

IIZUKA, YOKO 2020
Child Development Center

JAHN, ELIZABETH 2019
Admissions and Records

JENSON, ELIZABETH 2019
Disability Support Programs and Services

JOHNSON, BARRY 1996
Admissions and Records

JOHNSON, INES 2016
International Student Programs

JUAREZ GONZALEZ, JOSE 2021
Academic Services and Learning Resources

KAHLER, VICTORIA 2011
Student Success Center

KALEIALII, CHRISTIANA 2018
Athletics

KANAFA, SYLWIA 2014
Child Development Department

KANG, EUNSOOK 2006
Creative Arts

KARIMI, MEHRAN 2020
Academic Services

KASKOWITZ, LOUIS 2017
Disabled Student Programs and Services

KASOYAN, OKSANNA 2019
Student Success Center

KASOYAN, TERESA 2021
General Counseling

KAUR, SATINDER 2014
Biological, Health and Environmental Sciences

KENNEDY, DANA 2015
Business, Computer Science and Applied Technologies

KERSMAN, LISA 2017
Financial Aid

KHA, BACHMAI 1995
Business, Computer Science and Applied Technologies

KHINE, AYE 2013
Child Development

KIM, YUME 2016
Educational Diagnostic Center

KIRK, LISA 1994
Student Accounts

KIRKPATRICK, KERI 2006
Learning Resources

KOBATA, DAVID 2018
Athletics

KOMATSU, TOSHI 2016
Planetarium

KONG, JOHN 2000
College Operations

KONG, YUKBING 1997
College Operations

KULUSICH, KRISAN 2011
Health Services

LAI, CLIFFORD 2019
Dining Services

LAM, PHONG 2008
General Counseling

LAM, TRACY 2006
Academic Services and Learning Resources

LARGENT, ALLISON 2007
International Student Programs

LE, CHUONG 2002
Extended Opportunities, Programs and Services

LEE, CYNTHIA 2013
Adapted Physical Education

LI, JIATONG 2019
Fiscal Services

LING, LYNN 2018
International Student Programs

LIPSIG, JOSEPH 2012
Occupational Training Institute

LOCKWOOD, TINA 2016
College Operations

LOPEZ, ANGELIE 2019
General Counseling

LUIS, MELISSA 2017
General Counseling

LY, KIMSENG 2019
Dining Services

LY, LISA 2021
Institutional Research and Planning

MACHADO, MARIA 2015
Campus Center

MAGALLON CERVANTES, SANDRA 2018
Financial Aid

MARTINEZ, DIANA 2007
Environmental Sciences

MCGILL, CONNOR 2017
HOPE

MEDRANO, MARY 2017
Intercultural and International Studies

MEGGERSON, ANDRE 2016
Creative Arts

MEJIA, RICKY 2021
Extended Opportunity Programs and Services

MENDES, EDUARDO 2014
College Operations

MITCHLER, DEREK 2020
Student Success Center

MOLINA OCHOA, MAGALI 2017
Career Technical Education

MONSELL, CATHLEEN 2012
Physical Sciences, Math and Engineering

MUNSON, KATHLEEN 1997
Library

MURPHY, ANN 2019
Child Development Center

NAKAHARA, CHRISTINE 2009
Deaf and Hard of Hearing Services

NAKAYAMA, CINDY 1998
Admissions and Records

NEWELL, MALLORY A. 2010
Institutional Research

NG, JOSEPH 2002
International Student Programs

NGUYEN, BACHLAN 1984
Business, Computer Science and Applied Technologies

NGUYEN, DUC 1998
College Operations

NGUYEN, HELEN 2019
Student Success Center

NGUYEN, HENRY 2000
Cashiering Services

NGUYEN, JENNIFER 1985
Student Accounts

NGUYEN, KIM-PHUONG 2020
Child Development Center

NGUYEN, LESLIE 1997
Social Sciences/Humanities

NGUYEN, STEVEN 2016
Communications

NGUYEN, THAO PHUONG 2006
Financial Aid

PABROS, ANGELITA 2001
Equity and Engagement

PAHL, HANNAH 2002
Deaf and Hard of Hearing Services

PARTIDA-FLETES, JESUS 1997
College Operations

PASQUALI, SHARI 2008
Veteran Services

PERALES, KIT 2014
Budget and Personnel

PEREZ PEREA, MILAGROS 2019
Financial Aid

PEREZALONSO, MARIA 2000
Extended Opportunities Programs and Services

PHAN, DUC 1987
Printing Services

PITCHFORD, DANIEL 2020
Admissions and Records

QUIDACHAY, JERALD 2018
Custodial

QUIDACHAY, JESSICA 2005
Custodial

RAMIREZ, SUZANNA 2020
Psychological Services

RILEY, LEAH 2020
Physical Sciences, Mathematics and Engineering

RODERIQUES, IVAN 1995
College Operations

RODRIGUEZ, ANNA 2016
General Counseling

RODRIGUEZ, JORGE 1998
Cashiering Services

ROY, TERESA 2014
College Operations

RUEDA GUERRERO, ALEJANDRA 2021
Student Success Center

RUELAS, CLAUDIA 2013
Financial Aid

SALAS, GREGORY 2016
Disabled Student Programs and Services

SANCHEZ, AMELIA 1995
Testing and Assessment

SANCHEZ, BERTHA 2016
Veteran Services

SANCHEZ, NUBIA 2015
Outreach and Relations with Schools

SANCHEZ, RITA 2002
Child Development Center

SANTA ANA, TONY 2015
Equity, Social Justice and Multicultural Education

SANTA CRUZ, ANDREA 2007
International Student Programs

SCHOOLER, SHIRLEY 1992
Disabled Student Programs and Service

SEALE, IMAN 2018
Communications

SERRANO, MARIA 1989
Dining Services

SHANNAKIAN, DENNIS 1999
College Life

SMITH, JOANNA 2019
Disability Support Programs and Services

SOUSA, JASON 2013
Grounds

SOUSA, ROSA 2002
Custodial

STEINER, CHRISTA 2016
Evaluation Specialist

STEWART, SABRINA 2013
Occupational Training Institute

STRONGONE, ANGELICA 2000
International Student Programs

STRUVE, JOHN 2015
Dining Services

SU, JACLYN 2021
International Student Programs

SUBEDI, BIDYA 2020
General Counseling

SUPNET, DARWIN GIOVANNI 2017
College Operations

SWANSON, DAYNA 2022
Flea Market

TAYLOR, DEBORAH 2017
Nursing

TE, KIM 2002
Scheduling

THAI, TRUNG 1998
Learning Resources

THANH, QUANG 2001
Learning Resources

THOMPSON, CAMERON 2019
Community Education

THOMPSON, NITA 2022
Disabled Student Programs and Services

TOMALINAS, ROBERT 2006
Admissions and Records

TOVAR, MARCO ANTONIO 2014
Disability Support Programs and Services

TRAN, TRANG 2015
Dining Services

TRINH, LAN 2002
Extended Opportunities Programs and Services

VALENCIA SUDA, KANAKO 2007
Learning Resources

VALENTINE, GARY 2013
Financial Aid

VAN, NINA 2003
Financial Aid

VANZANDT, ALYSSA 2018
Creative Arts

VARELA, SOFIA 2006
Child Development Center

VELA, JENNY 2012
Online Education Center

VICTORIANO, MAURICE 2017
Custodial

VILLALBA, KAREN 2006
Child Development

VUONG, NORA 2019
Financial Aid

WALLACE, SARAH 2019
Athletics

WANG, SHUYAN 2006
Child Development

WARD, GINA 2015
Admissions and Records

WATSON, LAURA 2015
Student Services

WEINER, JESSICA 2013
Child Development

WEN, CHIA C. 2010
Creative Arts

WHEAT, CASIE 2005
Assessment

WHELAN, PATRICIA 2001
Disabled Student Programs and Services

WINN, CHRISTIAN 2018
Campus Facilities

WRIGHT, BILL 2006
Child Development Center

YUVARAJ, DEEPA 2014
Academic Services

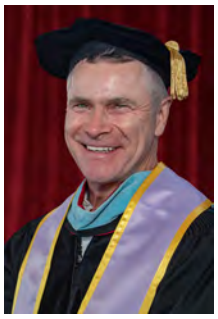
De Anza College Administration

LLOYD A. HOLMES
President

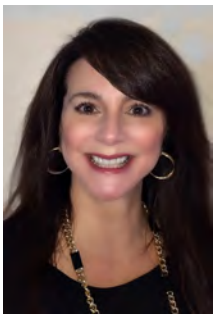
CHRISTINA G. ESPINOSA-PIEB
Vice President, Instruction

PAM GREY
Vice President, Administrative Services

ROB MIESO
Vice President, Student Services



THOMAS RAY
Interim Associate Vice President, Instruction



MARISA SPATAFORE
Associate Vice President, Communications and External Relations

Dean, Biological, Health and Environmental Sciences: **Anita Muthyala-Kandula**

Dean, Business, Computer Science and Applied Technologies: **Moaty Fayek**

Dean, Career Technical Education and Workforce Development: **Randy Bryant**

Dean, Community Education: **Sam Bliss**

Dean, Counseling and Disability Support Programs and Services: **Laureen Balducci**

Dean, Creative Arts: **Daniel Smith**

Dean, Enrollment Services: **Nazy Galoyan**

Dean, Equity and Engagement: **Alicia Cortez**

Dean, Intercultural and International Studies: **Debbie Lee**

Dean (Acting), Language Arts: **Kristin Skager**

Dean, Physical Education and Athletics: **Eric Mendoza**

Dean, Physical Science, Math and Engineering: **Mehrdad Khosravi**

Dean, Social Sciences and Humanities: **Elvin Ramos**

Dean, Student Development and EOPS/CARE: **Michele LeBleu-Burns**

Director, Athletics: **Ron Hannon**

Director, Campus Center: **Patrick Gannon**

Director, Child Development Center: **Naoko Harada**

Director, College Operations: **Jennifer Mahato**

Director, Financial Aid and Scholarships: **Lisa Mandy**

Director, Fiscal Services: **Martin Varela**

Director, Student Health Services: **Rosafel Nogra**

Director, Nursing: **Sana Massad**

Director, STEM Success Program: **Yvette Campbell**

Manager, Operations: **Jorge Rodriguez**

District Board and Administration

Foothill-De Anza Community College District Board of Trustees

PATRICK J. AHRENS

LAURA CASAS

PEARL CHENG

PETER LANDSBERGER

GILBERT WONG

Student Trustees

PIERCE TAO
De Anza College

CHAMU PALANIAPPAN
Foothill College

District Administration

Judy Miner
Chancellor

Vice Chancellor, Business Services: **Susan Cheu**

- Executive Director, Facilities and Operations: **Joel Cadiz**
- Executive Director, Fiscal Services: **Raquel Puentes-Griffith**
- Director, Budget Operations: **Sirisha Pingali**
- Director, Capital Construction Program: **Vacant**
- Director, Environmental Health and Safety: **Karen Lauricella**
- Director, Facilities and Maintenance: **Todd Nelson**
- Director, Purchasing, Contracts and Risk Management: **Maria Contreras-Tanori**

Vice Chancellor, Human Resources and Equal Opportunity: **Ray Quan**

- Interim Associate Vice Chancellor, Human Resources: **Pat Hyland**
- Interim Director, Benefits: **Beijing Li**

Vice Chancellor, Technology: **Jory Hadsell**

- Associate Vice Chancellor, Information Systems and Operations: **Chien Shih**
- Associate Vice Chancellor, Networks and Client Services: **Sharon Luciw**

Executive Director, Foundation: **Dennis Cima**

- Assistant Director, Foundation: **Robin Latta**
- Director of Development, Foundation – De Anza: **Melanie Reilly**

Executive Director, Institutional Research and Planning: **David Ulate**

Executive Director, International Student Programs: **Jennifer Brook**

Executive Director, Krause Center for Innovation: **Gay Krause**

- Director, Strategy and Marketing, Krause Center for Innovation: **Cate Tolnai**

Chief of Police: **Daniel Acosta**

Senior Adviser for Reimagining Foothill-De Anza: **Anu Khanna**

Emeriti Faculty and Administrators

ABRICA-CARRASCO, RUBEN 2012-2019
Spanish/Latino Studies
B.A., Occidental College
M.A., Stanford University

ADAMY, GEORGEANNE 1989-2002
Nursing
B.S., Arizona State University
M.S., University of Maryland

ADAMZ, SHARIANANDA 1990-2001
English
B.A., Stillman College
M.A., Syracuse University
Ph.D., Miami University

ARAKI, JOANNE M. 1989-2005
Nursing
B.S.N., University of Hawaii
M.S.N., San José State University

AVERY, CHRIS 1966-2002
Mathematics
A.A., College of Marin
B.A., M.S., San José State University

BARKER, CHARLES B. 1969-1999
Mathematics
B.A., M.A., University of California, Los Angeles

BARNETT, DONALD C. 1968-1997
Dean, Language Arts
B.A., M.A., University of Michigan

BARNEY, DAVID M. 1989-2011
Film/TV
B.A., University of Delaware
M.Ed., University of Hawaii

BARTUNEK, CAROL R. 1975-1998
Religious Studies
A.A., Foothill College
B.A., San José State University
M.Div., American Baptist Seminary

BEGGS, THOMAS W. 1981-2017
Physical Education, Adaptive Physical Education
A.A., De Anza College
B.S., M.A., San José State University
Ed.D., University of San Francisco

BERRY, FRANK W. 1969-2002
English
A.B., University of Michigan
M.A., San Francisco State University

BETLACH, MARCY 1996-2021
English as a Second Language
B.A., Washington State University
M.A., San José State University

BLINICK, CARON S. 1981-2014
Dean, Community Education and Older Adult Studies
B.A., University of Illinois, DeKalb
M.A., University of Wisconsin, Madison

BLOOM, ROBERTA 2001-2019
Mathematics
B.A., Princeton University
M.A., Harvard University

BOTHMAN, RICHARD W. 1988-1995
Administration of Justice
B.A., M.S., San José State University

BOWER, JOAN 1975-1990
Older Adult Services
B.A., M.S., San José State University

BRANDT, MICHAEL 1975-2016
Automotive Technology
A.A., De Anza College

BREEN, MIA 2000-2019
Accounting
B.A., University of California, Berkeley

BRESNAN, PATRICK S. 1967-2009
History
B.S., Loyola University, Chicago
M.A., Northwestern University

BRESSOUD, EDWARD F. 1967-1990
Division Dean, Physical Education
A.A., Los Angeles City College
B.S., University of California, Los Angeles
M.A., San José State University

BROCK, ROBERT E. 1968-1991
English
B.A., Gonzaga University
M.A., Stanford University

BRUCE, KENNETH R. 1968-1995
History
A.B., M.A., San José State University

BRUCH, SUSAN 1990-2012
Nursing, Biology
B.S., San José State University
M.S., University of California, San Francisco

BUCHANAN, ANGELA 1990-2016
Social Sciences
B.A., Oberlin College
M.A., Ohio State University
M.A., Ph.D., Stanford University

BUCHNER, PATRICIA 2014-2019
Medical Technology
B.S., University of California, Davis
M.S., California Polytechnic State University

BULL, MICHAEL A. 1976-2011
Economics
A.A., Los Angeles Valley College
B.A., M.A., San José State University

BURLING, EDWIN 1968-2002
Biology
B.A., University of California, Santa Barbara
M.A., Dartmouth College

CANTRELL, JOSEPH E. 1984-1997
Business
B.S., Oklahoma State University
MBA, Stanford University

CASTILLO, CINDY 1977-2012
Director, Financial Aid and Scholarships
B.A., San José State University

CENTANNI, DEBORAH 2007-2017
Disability Support Programs and Services
B.A., St. Mary's College
M.A., San José State University

CHAN, KWAN H. 1974-2004
Library
B.S., Hong Kong University
M.L.S., University of New York
M.Ed., North Adams State College
Ph.D., United States International University

CHAN, SUSANNE W. 1977-2013
Counseling
B.A., University of Maryland
M.S., Ed.S., State University of New York

CHANG, LENA 2000-2021
Library
B.A., San Francisco State University
M.L.I.S., University of California, Berkeley

CHANG, MICHAEL S. H. 1989-2019
Asian and Asian-American Studies
B.S., B.A., San Francisco State University
M.A., Ph.D., Stanford University

CHEESEMAN, DOUGLAS T. 1967-1997
Biology
B.A., M.A., San José State University

CHENOWETH, WAYNE 1990-2015
Disability Support Programs and Services
B.A., M.A., California State University, Chico

CHESLER, PAUL B. 1977-2006
Social Sciences
B.S., University of Wisconsin
M.A., San José State University

CHUDILOWSKY, BARBARA K. 1985-2001
Mathematics
B.A., San Francisco State University
M.S., San José State University

CICERONE, MARCOS 1977-2008
Director, Staff Development
B.A., New York University
M.A., National University of Mexico

CLAVIJO, JUDITH 1992-2017
Nursing
B.S., University of Rosario
M.S., University of Michigan

CLEAVELAND, CORRINE 1975-2013
Child Development Center
B.A., University of California, Davis

CLEM, ROBERT 1998-2019
Counseling
B.C.J., Ohio University
M.S., San Francisco State University

CLEVELAND, WILLIAM 1968-2003
Humanities
B.F.A., M.F.A., Texas Christian University

CLUNIE, ROBERT K. 1970-1991
Sociology
A.A., Yuba College
B.A., San José State University
M.C.P., University of California, Berkeley
M.A., San José State University

COGNETTA, JOHN S. 1989-2017
Student Activities
B.A., University of California, Berkeley
M.S., University of Oregon
Ed.D., University of San Francisco

COLE, MICHAEL 1989-2013
Design and Computer Graphics
B.A., California State University, Northridge
M.A., University of California, Los Angeles

COLEMAN, DAVID 1990-2017
Counseling
B.A., M.A., University of California, Santa Barbara

COLEMAN, JUDY C. 1989-2012
Counseling

A.A., De Anza College
B.A., University of California, Berkeley
M.A., Santa Clara University

COLTRIN, DOROTHY M. 1970-2003
Nutrition
B.S., University of California, Berkeley
M.S.P.H., University of California, Los Angeles

CONROY, LINDA C. 1987-2018
Child Development Center
A.A., De Anza College
B.A., San José State University

COOPER, MICHAEL J. 1969-2004
Art
B.A., M.A., San José State University
M.F.A., University of California, Berkeley

COZZENS, SHERRI 1996-2020
Nursing
B.S.N., M.S., San José State University

CRUZ, MAYRA 2000-2021
Child Development and Education
B.A., University of Puerto Rico
M.A., San José State University

DASILVA, EMANUEL 2007-2020
Manager, Operations
B.S., Palo Alto University

DAVIES, DAVID H. 1966-1993
Mathematics
B.A., Western Washington State College
M.A.T., San Diego State University

DEAN, SUSAN L. 1991-2007
Mathematics
B.A., University of California, Santa Barbara
M.A., University of Santa Clara

DESILETS, LENORE 1993-2022
Mathematics
B.A., University of California, Los Angeles
M.S., University of Maryland

DICKERSON, ROBERT C. 1989-2014
English
B.A., University of Texas
M.A., Memphis State University

DOMINGUEZ, ALFRED 2007-2015
Counseling
B.A., University of California, Berkeley
M.P.A., California State University, East Bay
M.A., San José State University

DOUGHERTY, CHARLES S. 1977-2008
Physical Education
B.A., San José State University
M.A., M.S., San José State University
M.A., U.S. Coast Guard
Ph.D., University of Iowa

DOWDNEY, DONNA 1990-2001
Technical Communication
B.A., Wheaton College
M.A., Indiana University
Ph.D., Columbia Pacific University

DRESSLER, FRANCES R. 1971-1992
Sociology, Psychology
A.A., College of Sequoias
B.A., Fresno State University
M.A., Syracuse University
Ph.D., United States International University

DRUEHL, GREGORY 1978-2008
Political Science
B.A., Stanford University
M.A., San Francisco State University
Ed.D., University of San Francisco

DUBARRY, MICHELE 2002-2019
English as a Second Language
B.A., M.A., San Francisco State University

DUNIVIN, J. D. 1964-1999
Sociology
B.A., M.A., San José State University

DUNN, LESTER R. 1966-1998
Physics
B.A., Lake Forest College
M.S., Illinois Institute of Technology

DUNN, RONALD 2001-2021
Music
B.A., University of California, San Diego
M.M., Florida State University

DUREMDES, JOY 1990-2019
Child Development Center
B.A., University of Guam

EDWARDS, JAMES D. 1965-1999
Political Science
B.A., Occidental College
M.A., Claremont Graduate School

EKNOIAN, GERALD 1968-1992
Art
B.S., University of California, Los Angeles
M.A., University of California, Berkeley
M.A., San José State University

ELDER, CHARLES L. 1968-2004
Physical Education
B.A., M.A., San José State University

ELLIS, TERRY R. 1991-2019
Paralegal Studies, Administration of Justice
B.A., University of California, Los Angeles
J.D., Santa Clara University

EMERICK, PAUL L. 1970-1989
Computer Information Systems
B.M.E., Rensselaer Polytechnic Institute
B.S.C., Salmon P. Chase College
MBA, Xavier University

ESPINOLA, JUDITH 1986-1996
Theatre Arts
B.A., Emerson College
M.A., Oklahoma University
Ph.D., Northwestern University

ESTER, DONALD 1969-1992
Geology
B.S., University of Alaska
M.S., Stanford University

FARRINGTON, ROBERT P. 1981-2014
Music
B.A., University of California, Los Angeles
M.A., California State University, East Bay

FINK, BARBARA 1975-2011
Mathematics
B.S., City College of New York
M.S., Stanford University

FINSTON, GLORIA 1975-2001
Learning Disabilities Specialist
B.A., Earlham College
M.A., Santa Clara University

FLEMING, JOHN, N. 1980-2007
English as a Second Language
A.A., Pasadena City College
B.A., University of California, Berkeley
M.A., San José State University

FORMAN, JEFFREY W. 1978-2014
Adaptive Physical Education
B.S., Med., Springfield College, Massachusetts
Ph.D., United States International University

FOROUZAN, BEHROUZ A. 1991-2009
Computer Information Systems
B.S., University of Tehran
M.S., University of California, Irvine

FORSYTH, TONI M. 1991-2009
English
B.A., M.A., California State University, Los Angeles
Ph.D., University of California, Los Angeles

FOY, RUTH 1970-2001
Coordinator, Health Services
B.S.N., Georgetown School of Nursing

FUNG, DONNA I. 1975-2009
Counseling
B.S., M.A., San José State University

GARCIA, PAULA 1976-2008
Child Development Center
B.A., M.A., San José State University

GEISINGER, JR., WILLIAM L. 1978-2012
Creative Arts
A.A., San Joaquin Delta College
B.A., M.A., San José State University

GIBSON, PATRICIA 2000-2019
Counselor
B.A., San José State University
M.A., San José State University

GILBERG, RICHARD F. 1991-2001
Computer Information Systems
B.A., San José State University
M.S., National University

GLENN, DEBORAH 199-2019
Child Development Center
B.A., San José State University

GOESLING, WENDELL J. 1975-2012
Psychology
A.A., Bakersfield Jr. College
A.B., Fresno State College
Ph.D., University of Tennessee

GOLDSBERRY, JAMES 1970-1999
English
B.A., M.A., San Diego State University

GOUGH, W. MICHAEL 1985-2019
Business
B.A., MBA, University of Santa Clara
M.A., Notre Dame de Namur University

GRAHAM, DONALD 1963-1999
Geography
A.A., Glendale College
B.S., M.S., University of Oregon

GRAY, ZENA 1975-2009
B.A., University of California, Los Angeles
M.A., College of Notre Dame

GREEN, PHILLIP S. 1989-2010
Automotive Technology
A.A., De Anza College
B.A., San José State University

GREENE, CAROLE 1964-2003
English
B.F.A., M.A., San José State University
M.F.A., John F. Kennedy University
B.A., M.A., University of California, Los Angeles

GRIFFIN, ROBERT E. 1994-2008
Vice President, Student Services and Institutional Research
B.A., M.S., San José State University
Ed.D., University of LaVerne

GROBMAN, BETH A. 1987-2011
Journalism and Mass Communication
B.A., Pitzer College
M.A., St. Louis University

GUEVARA, JORGE 1979-2014
A.A., De Anza College
B.A., M.A., San José State University

GULASSA, CYRIL M. 1967-1997
English
B.A., St. Joseph's College
M.A., University of California, Berkeley

HALSEY, HAYWARD (TUCK) 1968-1998
Physical Education
B.A., M.A., San José State University

HAM, LEWIS H., JR., 1979-1994
Director, Admissions and Records
B.S., United States Military Academy, West Point
M.A., University of Texas

HAMER, REGINALD 1985-2010
Mathematics
B.S., Lowell University
M.S., Ph.D., New York University

HAMES, JOANNE 1989-2004
Paralegal Studies, Administration of Justice
B.A., J.D., Santa Clara University

HANLEY, JAMES R. 1973-2004
Political Science
B.A., M.A., San José State University

HANNA, CASSIE 2006-2014
Nursing
B.S., Michigan State University
M.S., University of San Francisco

HANSEN, RICHARD N. 1991-2018
Mathematics
A.B., Cornell University
M.A., University of California, Berkeley
M.A., California State University, Los Angeles

HARPER, KENNETH 1992-2004
Accounting
A.A., Mesa Community College
B.S., California Polytechnic State University
M.P.A., University of San Francisco

HARPER, LAURI M. 1974-2001
Counselor
A.A., College of Marin
B.A., University of California, Santa Barbara
M.A., Stanford University

HARRINGTON, SHERWOOD 1989-2018
Astronomy
B.A., Amherst College
M.A., University of California, Berkeley

HARRIS, JOYCE C. 1985-2001
Computer Information Systems
B.S., Stanford University
M.S., University of California, Los Angeles

HART, THOMAS A. 1973-1988
Music
B.A., M.A., San Francisco State University

HASSEL, PATRICIA L. 1969-2012
Medical Assisting, Health Technologies
B.S., The University of Phoenix
R.N., Montreal General Hospital

HAYNES, JAMES H. 1976-2014
Adaptive Physical Education
A.A., West Valley College
B.S., M.A., San José State University

HECTOR, JANICE 1994-2017
Mathematics
B.S., M.A., University of California, Davis
MBA, Pace University

HEFFNER, SCOTT C. 1976-2012
Political Science
B.A., San José State University
M.A., San José State University
M.A., Santa Clara University

HELFMAN, SUZANNE 2002-2015
English
B.A., M.A., San Francisco State University

HENDERSON, BRUCE 1997-2010
English
B.A., M.A., San Francisco State University
Ph.D., Stanford University

HENDRICKSON, MARY E. 1984-1999
Business and Computer Information Systems
B.A., Hamline University
M.S., San Francisco State University

HERMAN, SONDRA R. 1966-1992
History, Political Science
B.A., Barnard College
M.A., Ph.D., Rutgers University

HOLLER, MICHAEL 1970-2006
Film/TV
A.A., Chaffey College
B.A., M.A., Humboldt State University

HOOKS, SYLVIA 1975-2004
Physical Education
B.S., Central State University
M.A., Stanford University

HOWARD, CAROL M. 1968-1997
Counseling
B.A., Regis College
M.Ed., Boston University

HOWARD-PITNEY, DAVID 1992-2019
History
B.A., Oregon State University
M.A., Ph.D., University of Minnesota

HOWLAND, STEPHEN 2006-2020
English
B.A., University of California, Berkeley
M.A., San Francisco State University

HUBBARD, JUDITH A. 1991-2020
English
Ph.B., Grand Valley State College
M.A., San Francisco State University

HUBBS, ROBERT R. 1963-2001
Chemistry
B.S., Western Illinois University
M.S., Purdue University

HUNTER, EBENEZER 1970-2010
African American Studies
B.A., M.A., San José State University

HUNTER, TRULY 1996-2019
Counseling
B.A., Winthrop University
M.Ed., Clemson University
Ed.D, Argosy University

HUNTIMER, LINDA 1973-2006
Learning Disabilities
B.A., M.A., Arizona State University
Ed.D., University of San Francisco

HRYCYK, CATHERINE 2000-2020
Nursing
B.A., University of Winnipeg
B.S.N., University of Saskatchewan
M.Sc.N., University of Western Ontario

IFFT, MARY ANN 2000-2013
English as a Second Language
M.A., San Francisco State University

ILLOWSKY, BARBARA S. 1989
Mathematics
B.S., State University of New York, Albany
M.A., The Wharton School, University of Pennsylvania
Ph.D., Capella University

JEANPIERRE, LETHA L. W. 1987-2014
Vice President, Finance and College Operations
B.S., MBA, University of Colorado

JENNINGS, VICKIE 2002-2013
Biology, Environmental Studies
B.A., M.A., San José State University

JOHNSON, JUDITH 1988-2004
Center for Applied Competitive Technologies
B.A., The College of Charleston
M.A., Webster University

JONES, HELEN B. 1974-1997
Physically Limited Program
A.A., Boston University
B.A., University of Illinois
M.A., Hunter College

JONES, RUTH 1983-2012
Child Development Center
B.A., San José State University

JONES-DULIN, DONNA 2001-2016
Associate Vice President, Finance and College Operations
B.A., American University
M.A., San Francisco State University

KARST, LAURA 2001-2017
French
B.A., University of California, Santa Cruz
M.A., San José State University

KENDALL, SHIRLEY 1995-2007
Professional and Workforce Development
B.A., University of Southern California
M.A., National University

KLANG, ROBERT 1970-1997
English
B.A., M.A., San Francisco State
University

KLEIN, CHARLES S. 1989-2017
Mathematics
B.A., Hobart College
M.A. University of Northern Colorado

KLINE, BEN 2001-2019
History
B.A., M.A., San José State University
Ph.D., University College, Cork

KLINT, GLORIA (JEAN) 1998-2007
Child Development Center
B.S., University of Utah
M.A., California State Polytechnic
University, Pomona

KODA, ANN Y. 1986-2001
Computer Applications and Office Systems
B.A., University of California, Berkeley
M.A., San José State University

KOVACH-LONG, SANDRA 1976-2017
Special Education
A.A., Riverside City Junior College
B.S., M.S., San José State University

LAM, CLARA YIN PING 1991-2020
English
B.S., The Chinese University of Shatin
M.Ed., Ed.D., University of Georgia

LAMIT, LOUIS G. 1984-2013
Computer Assisted Drafting
B.S., Western Michigan University

LASSERRE, YVETTE M. 1991-2001
French
A.A., De Anza College
B.A., M.A., San José State University

LAU, PHILIP K. C. 1972-2007
Psychology
B.A., San Francisco State University
M.S.W., University of California, Berkeley

LEE, CHARLES 2002-2022
English as a Second Language
B.A., Hebei University
M.A., San Francisco State University

LEE, ELAINE 1991-2017
Speech
B.A., M.A., University of Hawaii

LEE-KLAWENDER, CYNTHIA 2000-2017
Computer Science
B.A., California State University, Los Angeles
M.S., University of Southern California

LEE-WHEAT, COLEEN 1990-2017
Dean, Physical Education and Athletics
B.S., University of California, Los Angeles
M.S., California State University, East Bay

LEE-YEN, ANN 1989-2012
Child Development Center
M.S., Oregon State University

LESKINEN, ANNE L. 1985-2011
Mathematics
B.A., M.A., University of Western Ontario

LETSON, ROGER L. 1979-2007
Music
B.M.Ed., M.M., University of Montana

LEWIS, WILLIAM G. 1968-2003
Automotive Technology
B.A., M.A., San José State University

LISHA, ZAKI 1974-2013
Film/TV
B.A., University of Southern California
M.A., San Francisco State University

LOGAN, GEORGIA H. 1961-1992
English
B.A., Oberlin College
M.A., Stanford University

LOPEZ-MORGAN, CHRISTINA A. 1988-2010
Social Sciences
A.A., Los Angeles City College
B.A., M.A., Pacific Oaks College

LUCAS, WARREN R. 1991-2020
Dance
B.A., North Carolina School of Arts
M.A., University of California, Los Angeles

LUPI-WILLIAMS, FRANCES 1970-1991
Physical Therapist Assisting
B.S., University of the State of New York
M.A., Stanford University

MACDONALD, JAMES D. 1964-1996
Chemistry
B.S., University of Colorado
M.S., San José State University

MACK, ROGER W. 1977-2012
Economics
B.A., M.A., San Francisco State University
Ph.D. Syracuse University

MAGNIN, CHRISTINE 2008-2020
Disability Support Programs and Services
B.S., Trenton State College
M.A., San José State University

MAIERO, MARCIA SMITH 1990-2014
Physical Education
B.A., California State University, Chico
M.S., California State University, East Bay

MANRIQUEZ, NAPOLEON H. 1977-2006
Director, Assessment Center
B.A., San José State University
M.A., Ph.D. Stanford University

MATHIOS, DIANE 1996-2016
Mathematics
B.A., M.A., University of California, Berkeley

MAYNARD, RICHARD 2004-2022
Automotive Technology
A.A., Chabot College

MAZZUCA, ROBERT G. 1981-2001
Physical Education
B.A., College of the Pacific
M.A., University of the Pacific

MCCARTHY, JAMES 1976-2007
Dean, Library
B.A., California State University, San Bernardino
M.S., University of Southern California

MCCAULEY, BRIAN 1998-2021
Biology
B.A., University of California, Santa Cruz
Ph.D., University of Hawaii

MCNAMARA, MARTIN 1996-2017
Animation
B.A., University of Notre Dame
M.A., San Francisco State University

MELAS, HEIDI 1993-2010
German
B.S., M.S., San José State University

MENÉNDEZ, JOSE F. 1985-2016
Director, Printing Services
A.A., College of San Mateo

MILONAS, FAITH E. 1986-2013
Counseling
B.A., Westfield State College
M.S., State University of New York
Ed.D., University of Nevada

MITCHELL, G. DAN 1989-2017
Music Theory and Composition
B.A., M.A., San José State University

MITCHELL, GLORIA 1976-2004
Psychology
A.A., Foothill College
B.A., San José State University
M.A., Santa Clara University

MOORE, THOMAS O. 1966-1998
Mathematics
B.S.E.E., University of California
M.A., San Francisco State University

MORENO, M. CRISTINA 1991-2010
Spanish
B.A., M.A, M.S., Indiana University

MORENO, MOSES S. 1972-1993
Chicano Studies
A.A., Chaffey College
B.A., M.A., Stanford University

MORENO, VICTORIA 1999-2017
Counseling
B.A., San José State University
M.A., San José State University

MOWREY, JUDITH M. 1986-2010
Library
B.A., Oklahoma Baptist University
M.A., San Francisco State University
M.L.S., University of Oregon

MUHLSTEIN, ELEANOR A. 1983-2002
Teacher, Child Care Program
B.A., San José State University

MUJAL, CARLOS 2001-2021
History
B.S., University of California, San Francisco
B.A., San Francisco State University
M.A. University of California, Berkeley

NAGEL, WILLIAM 2002-2012
Graphic Design
B.A., San José State University

NAKASHIMA, WENDY 1982-1997
Child Development Center
B.S., Miami University
M.S., Case-Western Reserve University

NELSON, SHARON S. 1976-2003
Hope-De Anza Vocational Program
B.A., Augustana College

NEWTON, DAVID 1987-2020
Physics
B.A., Sonoma State University
B.A., M.S., San Francisco State University

NICHOLS, BARBARA 1977-1990
Older Adult Services
A.A., Foothill College
B.A., San José State University
M.A., Santa Clara University

NICKEL, DONALD 2001-2017
Counseling
B.A., M.A., San José State University

NIELSEN, M. LANCE 1975-2006
A.A., Diablo Valley Junior College
B.S., California State University, East Bay
M.A., San José State University

NENGO, ISAIAH 2006-2019
Anthropology
B.A., Nairobi University
M.A., Ph.D., Harvard University

NORTE, EDMUNDO 2010-2022
Dean, Intercultural and International Studies
B.A., University of California, Irvine
Ed. M., Harvard University

NUNES, ANTHONY J. 1966-1992
Physical Education
A.A., College of the Sequoias
B.S., M.S., California State Polytechnic College

O'BRIEN, FAY 1967-1993
Allied Health, Nursing
A.B., San Francisco State University
M.A., College of the Holy Names

OHTAKE, MOTOSUKE 2006
Art
B.F.A., Nihon University, College of Arts

B.F.A., Academy of Art College
M.F.A., San Francisco Art Institute

OLEJNICZAK, PAUL 2000-2016
Meteorology, Astronomy
B.S., M.S., Duquesne University

ONEY, ANNE W. 1985-1999
Dean, Business and Computer Science
B.A., Cornell University
M.A., San José State

PABON, TONY 1981-1997
Mathematics
A.B., M.S., California State University, Los Angeles

PARKER, GERALDINE 1993-2013
Native American Studies
B.A., California State University, East Bay

PATTON, MARILYN 1991-2013
English
B.A., Stanford University
M.A., Ph.D., University of California, Santa Cruz

PEARCE, KIMBERLY A. 1987-2013
Speech Communication
B.A., Azusa Pacific University
M.A., San José State University

PECORARO, SALVATORE P. 1968-1997
Art
A.B.Ed., California College of Arts and Crafts
M.A., San Francisco State University

PERATA, DONALD A. 1966-1996
Vice President, Student Services
Interim Chancellor
B.A., M.A., San José State University

PERRY, JOHN W. 1989-2011
Computer Information Systems
B.A., University of Delaware
M.C., M.S., Arizona State University

PETERSON, DENNIS E. 1968-1997
Biology
Dean (Acting), Biological and Health Sciences
B.A., M.S., Brigham Young University

PEURIFOY, BARBARA 2006-2011
Nursing
B.S., California State University, Dominguez Hills
M.S., University of Phoenix

PHILLIPS, JULIE 1993-2015
Environmental Studies, Biological Sciences
B.A., California State University, Chico
M.A., San José State University

PHILLIPS-PROUTY, BARBARA J. 1964-1993
Counseling, Physical Education
B.S., Wheaton College
M.A., Colorado State College

PICHON, ULYSSES A. 1975-2009
English/English
B.S., Xavier University of Louisiana
M.A., San José State University

PIERCE, DIANE 2000-2019
Photography
B.A., San Francisco State University
M.F.A., Mills College

PIERRE, ADRIENNE 1999-2019
Counseling
B.S., M.A., San José State University

PLUM, KATHRYN S. 1989-2015
Mathematics
B.S., Montana State University
M.S.I.E., M.S.Q.A., San José State University

POGGI, CLAUDINE 1989-2012
English as a Second Language, Linguistics, Writing
B.A., City University of New York
M.A., San Francisco State University
M.A., University of Hawaii

POKLEWSKI DABROWSKA, ANNA 1977-2013
Music
B.A., Myceum-Music,
M.A., Yagellonian University
L.R.A.M., Royal Academy of Music

POTTER, LEROY C. 1965-1993
Engineering
B.S., Drexel Institute of Technology
M.S., Stanford University

PRITCHARD, WILLIE 2006-2008
Academic Coordinator
B.A., Duke University
M.A., Antioch University

QUARATO, PATRICIA S. 1992-2008
Biology
B.S., Virginia Commonwealth University Medical College
M.S., University of Southern California

QUENON, LOUISE 1970-1998
Biology
B.A., University of California, Berkeley
M.A., University of Wisconsin

QUIRKE, LILLIAN M. 1964-1988
Art
B.S., Southern Connecticut State College
M.A., California State University, Long Beach
Ed.D., Teacher's College, Columbia University

RAFF, MARGO I. 1980-2017
Counseling
B.A., University of Florida
M.A., Michigan State University
M.A., University of San Francisco

RAMIREZ, OSCAR 1973-1993
Vice President, Administrative Services
B.A., M.A., California State University, Fresno
Ph.D., United States International University

RAMSKOV, CHARLES 1992-2019
Psychology
A.A., De Anza College
B.A., San José State University
M.A., University of California, Davis
Ph.D., California Coast University

RAPPAPORT, STEVEN D. 1974-2007
Philosophy, Economics
A.B., University of California, Berkeley
M.A., San José State University
Ph.D., University of Toronto

RASHALL, BENITA 1977-2008
Physically Limited Counselor
B.S., University of California, Berkeley
M.S., San Francisco State University

REDD, JANET F. 1968-2002
Library
B.A., M.L.S., University of California, Berkeley
M.A., San José State University
Ph.D., Stanford University

RESSA, GARY 1967-1997
Counseling
B.S., San José State University
M.A., Stanford University

REZA, JACQUELYN VALERIE 1985-2015
Staff and Organizational Development
B.A., M.S.S., San Francisco State University
B.S., Ahmadu Bello University
Ed.D., University of San Francisco

ROSENBERG, JERRY 2021
Dean, Physical Sciences, Mathematics and Engineering
B.A., B.S., Rutgers University
M.S., University of Washington

ROSSI, DONALD E. 1969-2000
Mathematics
A.B., University of California, Berkeley
Ed.M., Harvard University
M.A., University of California, Berkeley

ROWE, JAMES K. 1968-1996
Counselor
A.B., Occidental College
M.A., Stanford University

SANDELMAN, PEARL B. 1975-1992
Business
B.A., M.A., San José State University

SCHAFER-BRAUN, DEBI 1976-2014
Physical Education
B.S., M.S., California State University, East Bay

SCHAFFER, KARL 1989-2017
Mathematics
B.S., University of Alabama
M.A., Ph.D., University of California, Santa Cruz

SCHROEDER, RICHARD V. 1984-2012
Dean, Physical Education and Athletics
B.A., University of California, Berkeley
M.A., San José State University

SCHWOOB, LESLIE A. 1967-2003
Automotive Technology
B.A., M.A., San Francisco State University

SCOTT, DANIEL R. 1970-2001
English
B.S., M.A., Brigham Young University

SEKHON, RUPINDER S. 1985-2014
Mathematics
B.S., University of San Francisco
M.A., San Francisco State University

SETZIOL, PAUL L. 1981-2017
Music
B.M., M.M., D.M.A., University of Oregon

SHERWOOD, REBECCA A. 1983
Nursing
B.S.N, M.N., University of Florida
D.N.Sc., Boston University

SIMES, ALAN D. 1989-2021
English
B.A., Santa Clara University
M.A., University of Virginia

SINGH, KULWANT 1990-2021
Director, Athletics
B.S., M.S., California State University, East Bay

SMITH, WENDY 1989-2004
Child Development Center
B.S., Pennsylvania State University
M.Ed., University of Pittsburgh

SOLER, FRANCISCO 1985-2011
Mathematics
B.S., University of New Mexico
M.S., University of Oklahoma

SPENCER, LEROY G. 1975-2000
Automotive Technology

SPENCER, WILLIAM A. 1976-2001
Language Arts
B.S., Louisiana Southern University
M.A., San Francisco State University

SPLITTER, RANDOLPH N. 1989-2011
English
B.A., Hamilton College
B.A., University of California, Santa Cruz
Ph.D., University of California, Berkeley

STANN, SUSAN S. 1988-2007
English as a Second Language
B.A., M.A., University of Michigan

STASIO, DONNA D. 1985-2016
Speech Communication
A.A., Columbia Junior College
B.A., Stanislaus State College
M.A., Washington State University

STERN, DEBORAH R. 1986-2008
B.A., University of California, Berkeley
M.S., California State University, San Francisco

STERNLIEB, MYRA B. 1975-1999
Nursing, Health
R.N., B.S.N., Ohio State University
M.S., San Francisco State University

STEVENS, MARGARET L. 1992-2016
History
A.A., De Anza College
B.A., University of California, Berkeley
M.A., San José State University

STOKES, PHILLIP F. 1964-2000
English, English as a Second Language
B.A., M.A., San Francisco State University

STOLL, EDWINA L. 1986-2009
Speech/Communication
B.A., Linfield College
M.A., University of Hawaii
Ph.D., University of Utah

STRAUSS, RAYMOND C. 1961-1985
Mathematics
B.S., M.S., University of Chicago

STRINGER, DAVID D. 1981-2011
Business
B.S., San José State University
MBA, Golden Gate University, San Francisco

STURM, J. BRUCE 1976-2000
English
B.A., Villanova University
M.A., Stanford University
M.A., Santa Clara University

SULLIVAN, KRISTIN 2002-2017
Environmental Studies
B.S., M.S., San José State University

SULLIVAN, MARY 2006-2021
Student Health Services
B.S., University of Delaware
M.S., San José State University

SULLIVAN, MICHAEL G. 1970-2004
Geography, Anthropology
Dean/Provost, Instruction, Career and Technical Education
B.A., M.A., University of California, Santa Barbara
Ph.D., University of Pittsburgh

SULLIVAN, NELL D. 1970-1993
English
B.A., M.A., University of California, Berkeley

SWENSSON, JOHN 1989-2012
English
B.A., U.S. Military Academy, West Point
B.A., University of Northern Colorado
M.A., University of Virginia

TACANG, LEROY J. 1972-2004
Art
B.A., M.A., San José State University

TAKAHASHI, JANET 1974-2014
Learning Disabilities
B.A., Mills College
M.A., San Francisco State University

TANDOC, NELSON E. 1968-1997
Music
B.M., University of Oregon
M.A., University of Washington

TAVERNETTI, SUSAN 2001-2022
Film/Television
B.A., University of the Pacific
M.A., University of Southern California

TONG, HOMER H. C. 1977-2017
Chemistry
B.A., California State University, Chico
M.S. Oregon State University

TOOTHMAN, GARY L. 1978-2001
Automotive Technology
B.A., Indiana State University
M.A., San José State University

TORRES, LAUREL 1996-2013
Counseling
R.N., A.D.N., College of San Mateo
B.A., University of California, Davis
M.S., California State University

TRAVIS, BARBARA B. 1977-1995
Associate Director, English Skills, Readiness Lab
B.A., Edinboro State College
M.A., Teachers' College, Columbia University

TRIMBLE, JEAN C. 1966-1990
Nursing
A.A., American River Junior College
B.S., Stanford University
M.S., University of California

VACIO, ALEJANDRO V. 1991-2001
Physical Education/Athletic Director
B.A., San José State University
M.S., California Polytechnic State University

VANNIASEGARAM, GNANALAKSHMI 1991-2010
Mathematics
B.S., University of Colombo, Sri Lanka
M.S., University of California, Santa Cruz

VICIAN, THOMAS A. 1968-2004
Philosophy
B.A., Luther College
M.Th., Luther Theological Seminary
Ph.D., Claremont University Center

WAATHIQ, PAULINE 1974-2007
Learning Disabilities
B.A., Indiana University
M.Ed., University of Pittsburgh

WAGNER, DEBORAH 2003-2013
Medical Technology
B.S., University of Iowa

WAGNER, WESLEY W. 1975-1997
HOPE Vocational Program
B.A., Washington State University
M.S., Portland State University

WALKER, CHARLES A. 1967-1993
Art
A.A., Contra Costa College
B.A., San Francisco State University
M.A., San José State University

WALKER-ABSHIRE, TISA 1989-2005
Anthropology
B.A., M.A., Stanford University

WALSH, PATRICIA A. 1975-1989
History
B.A., Queens College
M.Ed., D.Ed. University of California, Los Angeles

WANLASS, JOHN W. 1974-2009
Accounting, Computer Information Systems
B.A., M.A., Brigham Young University

WASSMAN, ROSEMARIE M. 1971-1997
English
B.A., M.A., Wayne State University

WEGMAN, ROBERT W. 1974-1999
Physical Education
B.A., San José State University
M.A., Stanford University

WERNER, JEAN 1975-2006
Counseling
B.A., University of California, Berkeley
M.A., San Diego State University

WEST, LINDA 1985-2013
Business Office Technology
B.S., M.A., San José State University

WEUSI-PURYEAR, MUATA 1987-2008
Mathematics
B.S., Monmouth College
M.S., New Mexico State University
Ph.D., Stanford University

WHITE, STEPHEN J. 1971-1994
Physical Therapist Assisting
B.S., St. Lawrence University
M.A., Stanford University

WILKINS-SANTOS, CAROLYN 1989-2019
Dean, Social Sciences and Humanities
B.Mus., University of Texas, Austin
M.A., Stanford University

WILLIAMS, HILLIS P. 1968-1983
Theatre Arts
A.B., McPherson College, Kansas
M.A., Northwestern University

WILLIAMS, JAMES C. 1985-2004
History
B.A., University of Oregon
M.A., San José State University
Ph.D., University of California, Santa Barbara

WILLIAMS, PATRICIA 1990-2020
Nursing
B.S., Montana State University
M.S., University of California, San Francisco

WILLIAMS, RICHARD 1989-1999
Drafting, Computer Aided Design
A.A., Bakersfield College
B.A., M.A., San José State University

WILSON, CAROLYN 1993-2004
B.A., California State University,
Los Angeles

WINTERS, MARION 1990-2009
Diversity Office, Intercultural/International Studies
B.A., San José State University
M.S., San Francisco State University
Ed.D., University of San Francisco

WOMER, CHARLES E. 1975-2000
Business
B.S., University of California, Berkeley
M.P.H., University of California
MBA, San José State University

WONG, LETTY 1992-2017
English as a Second Language

A.A., San Francisco City College
B.A., M.A., San Francisco State University

WOOD, RICHARD 1996-2008
Sociology
B.A., M.A., West Virginia University

WOOD, SARAH D. 1989-1999
English
B.A., Stanford University
M.A., Yale University

WOODWARD, CHERYL 1986-2015
Counseling
B.A., M.A., San José State University

YASUDA, PHYLLIS S. 1974-1998
Business
B.A., M.A., San José State University

YECKLEY, PAULINE 1986-2015
Library
B.A., M.A., Michigan State University
M.A., University of Michigan

ZARECKY, GARY 1983-2015
Physical Education
B.A., California State University, Chico
M.A., Azusa Pacific University

Faculty

ACEVEDO-AVILA, VERONICA 1995
English
B.A., University of California, Santa Cruz
M.A., Santa Clara University

ADAMS, JAMES 2022
Library
B.A., M.A., San José State University

ALAMEER, ABEER 2019
Computer Information Systems
B.S., Amman University
M.S., San José State University

ALEXANDER, ROBERT 2009
General Counseling
B.A., San Francisco State University
M.A., St. Mary's College

ALTMAN, DANIELLE 2010
Physical Education
B.A., University of Redlands
M.A., California State University, San Bernardino

ALVAREZ, ROSANNA 2021
Comparative Ethnic Studies
B.S., Santa Clara University
M.A., San José State University

ALVES DE LIMA, DIANA 1996
Student Success Center
B.A., University of California, Berkeley
M.A., Stanford University

ANDERSON, STEPHANIE 2017
Communication Studies
B.A., M.A., San José State University

ANNEN, VICKIE 1997
Biology
B.A., Florida Atlanta University
M.A., San Francisco State University

ANSARI, MANIJA 2022
International Student Programs
B.A., M.A., San José State University

APPIO, MICHAEL 2006
Design and Manufacturing Technologies
A.A., De Anza College

ARAGON, ERICK 2013
Outreach and Relations with Schools
B.A., San Diego State University
M.S., Northern Illinois University

ARGYRIOU, ANNE 2000
English
B.A., University of California, Santa Cruz
M.A., San Francisco State University
M.Phil., University of Cambridge

AUGENSTEIN, RENEE 1997
Articulation Officer and Transfer Services Coordinator
B.A., University of Redlands
M.A., Loyola Marymount

BAIAMONTE, NICHOLAS 2007
Philosophy
B.A., Metro State College of Denver
M.A., University of California, Riverside

BALM, CHERYL 2015
Mathematics
B.A., University of North Carolina
Ph.D., Michigan State University, East Lansing

BAMBHANIA, DOLI 2002
Mathematics
B.A., M.A., University of California, San Diego
M.S., University of California, Santa Barbara

BENNETT, MARY 1990
Adaptive Physical Education
A.A., West Valley College
B.S., M.A., San José State University

BOARD LILJENSTOLPE, REBECCA 1997
English
B.A., M.A., California Polytechnic State University

BONILLA, MARYALICE 2006
English
B.A., M.A., California State University, Los Angeles

BOOHER, CHARLES 2016
Philosophy
B.A., California State University, Fullerton
M.A., University of Chicago
Ph.D., Syracuse University

BORDIGNON, GUIDO 2016
Biology
B.S., M.S., Pharm D., University of Padova
Ph.D., University of Ca' Foscari Venice

BOTSFORD, LYDIA 2007
Accounting
B.A., University of California, Santa Cruz
MBA, Santa Clara University

BOURGEOIS, MARY JOY 1990
Child Development and Education
B.A., University of Guam

BOURGOUB, HASSAN 1999
Mathematics
B.S., M.S., California State University, Los Angeles

BRAM, JASON 2010
Biology
B.A., University of California, San Diego
M.A., California State University, Northridge

BREITER, SALAMANDER 2001
Humanities
B.A., Fairhaven College
M.A., Western Washington University

BROPHY, MEGAN 2017
Chemistry
B.A., Reed College
Ph.D., Massachusetts Institute of Technology

CADGE-MOORE, CATIE 1999
Art History
B.A., State University of New York, Binghamton
M.A., University of Washington
Ph.D., University of Victory

CANYON, MAURICE 2020
Umoja Community
B.A., M.A., San Francisco State University

CAPARAS, FRANCESCA 2014
English
B.A., M.A, University of California, Santa Cruz

CAPITOLO, DAVID 2003
Automotive Technology
B.S., M.Ed., Eastern New Mexico University

CAROBUS, PATRICIA 2016
English as a Second Language
B.A., University of Londrina
M.A., San José State University

CASTRO, ELISA 2017
General Counseling
B.A., University of California, Santa Barbara
M.S., San Francisco State University

CATUIZA, RACHEL 2007
Physical Education
B.S., M.S., Virginia Polytechnic Institute and State University

CHAI, CHRISTINE 2002
English as a Second Language
B.A., B.S., University of California, Davis
M.A., San Francisco State University

CHIVERS, NICHOLAS 2017
Communication Studies
B.A., M.A, San Francisco State University

CHOW, KAREN 2002
English
B.S., University of Southern California
M.A., Ph.D., University of California, Santa Barbara

CICHANSKI, MAREK 1998
Geology
B.S., University of Washington
M.S., Swinburne University
Ph.D., University of Southern California

CINI, CAROL 2001
History
B.A., Stanford University
M.A., San Francisco State University
Ph.D., University of California, Los Angeles

CLINCHARD, LORI 2006
Humanities
B.A., University of California, Davis
M.A., California Institute of International Studies

CORONADO, MARC 2004
English
B.A., University of El Paso
M.A., Ph.D., University of California, Santa Barbara

CUFF-ALVARADO, JUDY 1996
Biology
B.S., Ithaca College
M.S., Long Island University

D'AGOSTINO, JOSEPH 2022
Athletics
B.S., University of Massachusetts, Amherst
M.A., Fresno Pacific University

DAHLKE, BARBARA 2007
General Counseling
B.S., University of California, San Diego
M.S., Colorado State University
M.A., San José State University

DAMJANOVIC, JASON 2006
Physical Education
B.A., Sonoma State University
M.A., National University

DE CARVALHO, MONICA 1997
Disability Support Programs and Services
B.A., M.A., San Francisco State University

DECK, CECILIA 2012
Journalism
B.A. University of Windsor
M.A., McMaster University
M.A., Santa Clara University

DELANEY, ANTHONY 2007
English
B.A., University of Oregon
M.A., University of California, Berkeley

DEMING, CHRISTOPHER 2018
Chemistry
B.S., M.S., Ph.D., University of California, Santa Cruz

DENNY, DAVID 1990
English
B.A., California State University, Long Beach
M.A., University of Oregon

DE TORO, ALICIA 2010
Environmental Studies
B.S., M.S., University of California, Santa Barbara

DHALIWAL, HARMAN 2006
Mathematics
B.S., San José State University
M.S., Ohio State University

DILEONARDO, CHRISTOPHER 1990
Geology
B.S., M.A., San José State University
Ph.D., University of California, Santa Cruz

DOLEN, THOMAS 2002
Library
B.A., University of California, Santa Cruz
MPIA, University of California, San Diego
M.L.S, Rutgers University

EMANUEL, LEEANN 2010
Disability Support Services
B.A., University of California, Santa Cruz
M.A., San José State University

FERNANDEZ, PURBA 2000
Geography
B.S., University of Calcutta
M.S., Pennsylvania State University

FIELDS, SHELDON 2020
General Counseling
B.A., San Francisco State University
M.A., San José State University

FIRMENDER, WILLIAM 2019
Psychological Services
B.A., New York University
M.A., Palo Alto University
Ph.D., Palo Alto University

FLEMING, DIANA 2000
English
B.A., Mills College
M.A., San Francisco State University

FLORES, ASHLEY 2019
Outreach and Relations with Schools
B.A., California State University,
East Bay
M.A., St. Mary's College

FLORES, KATHY 1996
English as a Second Language
B.A., Santa Clara University
M.A., San José State University

FRANCIS, RONALD 2009
Physics
B.S., California Institute of Technology
Ph.D., Massachusetts Institute of Technology

FRITZ, MICHELE 2000
Business
B.S., Boston University
M.S., California State University, East Bay
MBA, Harvard University

FU, MARK 2000
General Counseling
B.A., University of California, Berkeley
M.A., San José State University

GAINER, BRANDON 2013
Communication Studies
B.A., University of North Carolina, Greensboro
M.A., San José State University
M.S., California State University, Monterey Bay

GALLEGOS, VERNON 2004
Dance
B.A., University of California, Los Angeles
M.A., California State University, Los Angeles

GANESH, MONICA 2016
Language Arts
B.A., M.A., San José State University

GANESHALINGAM, USHA 2012
Mathematics
B.S., M.S., San José State University

GARBACEA, DELIA 1998
Computer Information Systems
B.S., Babes-Bolyai University

GARBE, EMILY 2013
Business, Computer Information Systems
B.S., University of Rhode Island
MBA, Harvard University
M.S., Cornell University
Ph.D., North Central University

GEORGIOU, SPERANTA 2018
Computer Information Systems
B.A., Santa Clara University
M.S., University of Illinois-Urbana
MBA, Santa Clara University

GERAGHTY, MAURICE 2002
Mathematics
B.A., University of California, Berkeley
M.S., California State University, East Bay

GIARDINO, ALEXANDRIA 2006
English
B.A., University of Oregon
M.A., Mills College
MFA, University of Southern Maine, Stonecoast

GLAPION, KEVIN 2001
Disability Support Programs and Services
B.A., University of New Orleans
M.S., Loyola University

GLASMAN, ILAN 2008
Music
B.A., University of California, Santa Barbara
M.A., San José State University
D.M.A., University of Southern California

GOEL, MANISH 2014
Computer Information Systems
B.E., Indian Institute
M.A., University of Miami
M.S., Northern Illinois University

GORDON, LAUREN 2018
English
B.A., California State University, Northridge
M.A., San Francisco State University

GRAY, DAVID 1999
Chemistry
B.A., Rice University
Ph.D., University of California, Berkeley

GROZEVA, MILENA 2014
Film/TV
B.A., Harvard University
MFA, University of Texas, Austin

GUEVARA, DAWNIS 2001
Physical Education
B.A., M.A., San José State University
M.A., St. Mary's College

GUIDO FLORES, NORMA 2019
Outreach and Relations with Schools
B.A., University of California, Berkeley
M.A., San Francisco State University

GUITRON, PATRICIA 2001
General Counseling
B.A., M.S., San Francisco State University

GUTIERREZ, JENNIFER 2020
Mathematics
B.S., Mount Saint Mary's University
M.S., Northern Arizona University

HALWANI, ESTHER 2008
Disability Support Programs and Services
B.A., Sonoma State University
M.S., San Francisco State University

HASSETT, SHANNON 2007
Psychology
B.A., California State University, Fullerton
M.A., California State University, Long Beach

HEALY, MARK (2012
Psychology
B.A., University of California, Santa Cruz
M.A., University of Akron

HEARN, LYDIA 2000
English
B.A., M.A., University of California, Santa Barbara

HERNANDO, HERMINIO 2001
General Counseling
B.A., University of Hawaii
M.A., New York University

HEYER, BRUCE 2006
Biology
B.S., University of California, Davis
M.A., San Francisco State University

HONG, RUSSELL 2010
Communication Studies

B.A., University of California, Los Angeles
M.A., San José State University

HUGHES, JULIE 2018
Art
B.A., M.F.A., California State University, Northridge

HUGHES, MELINDA 1999
Extended Opportunities Programs and Services
B.A., California State University, Long Beach
M.A., San José State University
Ed.D., Argosy University

HUI, CECILIA 2011
Library
B.A., M.S., McGill University

HUYNH, KY-DUYEN 1975
General Counseling
B.A., M.A., San José State University

INOUE, BETTY 2017
General Counseling
B.A. University of California, Riverside
M.A., Santa Clara University

ISON, MILLIA 1990
Mathematics
B.S., Shanghai Teachers College
M.A., State University of New York

JIMENEZ, JOHN 2020
Mathematics
B.A., University of California, Berkeley
M.S., California State University, Fresno

JIMENEZ-SAMAYOA, ELSA 2020
Biology
B.S., University of California, Santa Cruz
M.S., University of California, Berkeley

JOHNSON, MARK (RUSTY) 2017
Physical Education
B.S., Santa Clara University
M.A., Fresno Pacific University

JOPLIN, NATASHA 2001
General Counseling
B.S., Fisk University
M.S., University of La Verne

JOSEPH, JAMIE 2014
English
B.A., University of Nebraska, Lincoln
M.A., San Francisco State University

JUDSON, ZACHARY 2011
Mathematics
B.S., University of California, Los Angeles
Ph.D., University of California Berkeley

JUNG, SUNGHAE (SANDRA) 2022
Nursing
B.S., M.S., University of Texas, Arlington

KALPIN, ROBERT 2018
Biology
B.S., M.S., University of California, Santa Cruz

KANG'A, SIMON 2012
Biology
B.S., M.S., Ph.D., Kenyatta University

KARIA, MANISHA 2016
Business
B.S., Bharathiar University
M.S., Massey University
Ph.D., University of Technology

KAUFMAN, CYNTHIA 1991
Philosophy, VIDA
B.A., University of California, Berkeley
M.A., Ph.D., University of Massachusetts

KAUR, SHAGUNDEEP 2009
Communication Studies
B.Sc., M.A., Punjab University
M.A., San Francisco State University

KEIFFER-LEWIS, JULIE 2011
African American Studies
B.A., San Francisco State University
M.A., San Francisco State University

KEIFFER-LEWIS, VERONICA 2012
Intercultural Studies
B.A., San José State University
M.A., Ph.D., Mills College

KELLY, DENICA 2016
International Student Programs
B.A., California State University, Northridge
M.S., California Lutheran University

KESSLER, CYNTHIA 2000
Child Development Center
B.A., M.A., Pacific Oaks College

KHANNA, ANU 2000
Communication Studies, Intercultural Studies
B.A., University of Illinois
M.A., University of Wisconsin, Milwaukee
Ph.D., Arizona State University

KLINGMAN, PAUL 2000
Design and Manufacturing Technologies
B.S., M.A., Pacific Montana University

KRAGALOTT, ARDEN 2004
Physical Education
B.A., Ohio Wesleyan University
M.A., Ohio State University

KRAMER, ALEX 2004
Communication Studies
A.A., De Anza College
B.A., San José State University

KRESTAS, GEORGE V. 1989
Engineering
B.S., San José State University
M.S., Santa Clara University

KWAK, CHRISTOPHER 2000
Accounting
B.A., Korea University
B.S., California State University, East Bay
MBA, Golden Gate University

LAKSHMANAN, SRIDEVI 2016
Disability Support Programs and Services
B.A, Madras University
B.A., Bangalore University
M.A., San Francisco State University

LAZAR, ANDREW 2021
Mathematics
B.S., California State University, Stanislaus
M.S., University of California, Merced

LEE, MAE 2003
Asian and Asian American Studies
B.A., M.A., Stanford University
M.A., Ph.D., University of California, Santa Cruz

LEE, TABIA 2021
Equity, Social Justice and Multicultural Education
B.A., University of California, Davis
M.A., University of Phoenix
Ph.D., University of California, Irvine

LEONARD, AMY 2012
English
B.A., San José State University
M.A., San Francisco State University

LEW, ESTHER 2004
Child Development Center
B.A., San Francisco State University

LEWYCKY, JONATHON (ROCKY) 2012
Art
B.A., San Diego State University
M.F.A., University of Southern Carolina

LIBOVA, OLGA 2006
Nursing
B.S., University of Moscow
M.S., State University of New York

LIEN, AMANDA 2015
Mathematics
B.A., University of California, Berkeley
M.S., California State University, East Bay

LILLY, BYRON 2000
Business
B.A., M.A., MBA, University of California, Berkeley

LIMCOLIOC, LUIS 1996
English
B.S., University of Notre Dame
M.A., San Francisco State University

LISHA, SARAH 2013
English
B.A., University of California, Santa Cruz
M.A., San Francisco State University

LIU, HUA-FU 2007
Mandarin
B.A., National Tsing Hua University
M.S., Radford University

LIZZARDI-FOLLEY, CARMEN 2000
Spanish
B.A., University of Puerto Rico
M.A., Ph.D., Cornell University

LO, BERTRAND 2006
Mathematics
B.A., University of California, Berkeley
M.S., Harvard University

LOPEZ, RICHARD 1998
Mathematics
B.S., University of California, Davis
M.A., California State University, Sacramento

LOSBEN, JOSHUA 2020
Film/TV Screenwriting
B.A., American University
MFA, University of Southern California

LUNA, EDUARDO 1999
Physics
B.S., M.S., California State University, Fresno

MAILHOT, JAMES 2011
Mathematics
B.S., Stanford University
M.S., Stanford University
Ph.D., University of Washington

MALEK, NINOS 2014
Economics
B.A., M.A., San José State University
Ph.D., George Mason University

MALONE, BRIAN 2016
English
B.A., Harvard University
M.A., University of Virginia
Ph.D., University of California, Santa Cruz

MAR, BRENDAN 2018
Chemistry
B.S., University of California, Irvine
M.S., San José State University

MARIN, MARIA 2002
English as a Second Language
B.S., Biola University
M.A., San Francisco State University

MARINAS, RANA 2020
Nursing
B.S., University of Phoenix
M.S., University of Texas Health Science Center

MARKUS, LISA 1998
Mathematics
B.S., University of Sheffield
M.S., Santa Clara University
M.S., Ph.D., Vanderbilt University

MARQUEZ, MARCO 2013
Graphic Design
B.A., Santa Clara University
M.A., New York School of Visual Art

MARTINEZ, DACIA 2021
General Counseling
B.A., University of California, Santa Cruz
M.A., San José State University

MATTIS, NICHOLAS 2010
Physical Education and Athletics
B.A., Saint Ambrose University
M.S., Western Illinois University

MATURINO, MELISSA 2017
Math Performance Success
B.S., Santa Clara University
M.A., San José State University

MCPARTLAN, ELIZABETH 1997
Biology
B.A., M.S., San Francisco State University

MELENDEZ, BIANCA 2020
Disability Support Programs and Services
B.A., San José State University
M.A., San José State University

MELLO, KEITH 2014
Accounting
B.S., Santa Clara University, CPA

MELLO, KEVIN 2009
Accounting
B.S., Santa Clara University
MBA, Arizona State University

MESH, LISA 2016
Mathematics
B.S, St. Mary's College
MBA, University of Notre Dame
M.S., Southern Methodist University

MILLER, ANNA 2004
Nutrition
B.S., University of California, Davis
M.S., Pennsylvania State University

MIRAMONTES, MAUREEN 2012
Health Technologies
A.A., Excelsior College

MJELDE, ELIZABETH 1993
Art History
B.A., California State University, Long Beach
M.A., University of California, Santa Barbara
Ph.D., University of North Dakota

MOEN, LORRAINE 2001
Mathematics
B.A., California Polytechnic State University
M.S., California State University, East Bay

MORALES, JORGE 2015
First Year Experience
B.A., University of California, Berkeley
M.A., San José State University

MULLENS, ALICIA 2016
Meteorology
B.S., California State University, Long Beach
M.S., San José State University

MUZZI, CINZIA 2004
Chemistry
B.S., B.A., Ph.D., University of California, Davis

MYHRE, JENNIFER 2000
Sociology
M.A., Ph.D., University of California, Davis

NAVA, STEVE 2016
Sociology
B.A., M.S., University of Texas, San Antonio
M.A., Ph.D., University of California, Santa Cruz

NGUYEN, ANH KHOA 2017
General Counseling
B.S., California Polytechnic State University
M.A., Santa Clara University

NGUYEN, ANNA 2019
Outreach and Relations with Schools
B.A, University of California, Santa Barbara
M.S., San Francisco State University

NGUYEN, HUNG (TOM) 2012
Biological, Health and Environmental Sciences
B.A., University of California, Berkeley
M.A., St. Mary's College

NGUYEN, JAMES 2013
Political Science
B.A., University of California, Berkeley
J.D., Santa Clara University

NGUYEN, UYEN (CLARE) 1999
Computer Information Systems
B.S., M.S., University of California, Davis

NJINIMBAM, EDWIN N. 1991
Mathematics
B.S., Cuttington University
M.S., Georgia Technical College

NORMAN, CRAIG 2007
English as a Second Language
B.A., California Lutheran University
M.A., San Francisco State University
Ph.D., San Diego State University

OLDHAM, IRA 1999
Computer Information Systems
B.A., M.A., Oklahoma University
M.S., Ph.D., Carnegie Mellon University

ORTIZ, LOUISEANN 2016
Physical Education and Athletics
B.A., California State University, East Bay
M.A., California Polytechnic State University

OSBORNE, SCOTT 2004
Accounting
B.A., University of California, Berkeley
MBA, Golden Gate University

OWIESNY, CHERYL 1999
Physical Education
B.A., California State University, Chico
M.A., San José State University

PALMORE, KIM 2012
English
B.A., M.A., California State University, Long Beach
Ph.D., University of California, Riverside

PAPE, MARY 1998
Computer Science
B.S., Santa Clara University
MBA, Capella University

PARRISH, JENNIFER 2015
Computer Information Systems
B.A., Santa Clara University
MBA, Monterey Institute of International Studies
M.S., University of California, Santa Cruz

PATEL, CATHY 2018
Disability Support Programs and Services
B.A., University of California, Riverside
M.S., National University

PESANO, JULIE 2005
English
B.A., M.A., University of Florida

QUIGLEY, JILL 2002
English
B.A., William Smith College
M.A., Boston College

QUINN, ROSEANNE 2010
English
B.A, University of California, Davis
M.A., Sussex University
Ph.D., University of Iowa

QUINTERO, JESUS 2007
English
B.A., San Francisco State University
M.F.A., University of San Francisco

RASHID, NAHRIN 2016
Mathematics
B.S., California State University, Stanislaus
M.S., California State University, East Bay

REBER, MARIETTA 2002
English
B.A., M.A., Brigham Young University

REGEHR, GORDON (CASEY) 2017
Adapted Physical Education
B.A., Whittier College
M.A., California State University, Chico

RIVERA, LILIANA 2019
Puente Project
B.A., University of California, Davis
M.S., San Francisco State University

ROBERTS, BECKY 2002
English
B.A., M.A., University of California, San Diego
Ph.D., University of California, Santa Cruz

RODRIGUEZ, CHRISTIAN 2019
Language Arts
B.A., University of California, Santa Cruz
M.A., San José State University

RODRIGUEZ, EUGENE 1997
Visual Arts
B.A., San Francisco State University
M.F.A., Mills College

ROEDER, WILLIAM 2016
Environmental Studies
B.S., California State University, Chico

ROY, JAYANTI TAMBE 2017
Child Development and Education
B.A., M.A., Pacific Oaks College

RUELAS, JESUS 2019
Outreach and Relations with Schools
B.A., University of California, Santa Cruz
M.A., San José State University

SALAH, DAN 2001
Business

B.A, University of California, Berkeley
MBA, University of Pennsylvania

SALES, EDWARD 2020
Nursing
B.S., University of Phoenix
M.S., University of San Francisco

SARTWELL, JULIE 2000
English
B.A., California Polytechnic State University
M.A. San Francisco State University

SCHWEIKERT, CHAI 2019
Outreach and Relations with Schools
B.S., University of California, Berkeley
M.S., San Francisco State University

SHERBY, MARK 1996
Computer Information Systems
B.A., Stanford University
M.A., San José State University

SHI, KEJIAN 1998
Mathematics
B.S., Sichuan Teacher's University
M.S., Michigan State University, East Lansing
Ph.D., University of California, Davis

SHIVELY, TIM 2000
English
B.A., Old Dominion University
M.A., San Francisco State University

SILVA, XAVIER 2020
Automotive Technology
A.A., De Anza College

SINGH, RAVJEET 2011
Economics
B.A., M.A., University of Delhi
Ph.D., Jawaharlal Nehru University

SINGH, SUKHJIT 2001
Computer Information Systems
B.S., M.S., California State University, East Bay
M.S., Carnegie Mellon University

SMITH, LEAH 2021
Language Arts
B.S., M.A., San José State University

SPANGGORD, DORIS 1996
Biology
B.S., San Francisco State University
M.S., San José State University

SPENCER, SANDRA 1997
Business
B.A., University of California, Berkeley
M.A., California State University, East Bay

STAUDINGER, JEFFERY 2010
Environmental Studies
B.S., Virginia Polytechnic Institute and State University
M.S., Stanford University
M.S., University of Michigan

STOCKWELL, ROBERT 2007
Political Science
B.A., University of California, San Diego
M.A., New School for Social Research
Ph.D., University of California, Irvine

STODDARD, ANDREW 2016
Design and Manufacturing Technologies
A.S., De Anza College

SUITS, JAMES 2013
Administration of Justice
B.A., San José State University
M.P.A, Golden Gate University

SUN, LI WEI 2007
Child Development and Education
B.A., Fu-Jen Catholic University
M.A., New York University
Ed.D., Teacher's College

SWANNER, ALEXANDER 2006
Library
B.A., University of California, Santa Cruz
M.L.S., San José State University

TALLENT, JAMES 2020
Automotive Technology
A.A., De Anza College

TAPIA, MARISTELLA 2004
Sociology
M.A., University of California, Berkeley

TAYLOR, RODERIC 2016
Mathematics
B.A., University of California, Santa Cruz
M.S., University of California, Berkeley

TEBALDI, SHANNON 2020
Nursing
B.S., Drexel University
M.S., Duke University

TEPPANG, NOEMI 2016
International Student Programs
B.A., M.S.W., San José State University

THOMAS, MONIKA 2012
Economics
B.A., M.A., University of California, Santa Cruz

THOMAS, SUSAN 2020
Psychology
B.S., University of California, Santa Barbara
M.S., Northwestern University

TIWANA, AMEETA 2004
Anthropology
M.A., Ph.D., Southern Illinois University

TRACEY, IVA 2015
English as a Second Language
M.A., University of Presov

TRAN, DANNY 2011
Mathematics
B.A., University of California, Berkeley
M.E., Harvard University

TRAN, TRISHA 2020
Career Technical Education and Workforce Development
B.A., M.A., San José State University

TRUONG, LAN 2020
Veteran Services
B.A., University of California, Santa Barbara
M.S., California State University, Long Beach

TU, DAWN LEE 2017
Professional Development
B.A., University of California, Davis
M.A., New York University
Ph.D., University of California, Davis

UNZUETA, ROB 2021
Chicanx and Latinx Studies
B.A., St. Mary's College
M.A., San José State University
Ph.D., University of Utah

VALADEZ, JANICE 2020
Nursing
B.S., M.S., San José State University

VARGAS, NELLIE 2007
Child Development and Education
B.S., Catholic University
M.S., University of Wisconsin
Ed.D, Argosy University

VAZIFDAR, ANITA 2017
Disability Support Programs and Services
B.A., University of Wisconsin, Madison
M.S., University of Southern California

VERNAZZA, LAWRENCE (PETE) 1998
Automotive Technology
A.A., De Anza College

VILAUBI, FELISA 2017
Language Arts
B.A., University of California, Irvine
M.A. San José State University

WALLIS, GLYNN 2020
Extended Opportunity Programs and Services
B.A., M.A., California State University, Stanislaus

WALTON, JOHN 2004
Automotive Technology
A.A., Cosumnes River College

WANG, AMY 2019
IMPACT AAPI
B.A., San Francisco State University
M.S., San Francisco State University

WEBER, JANET 2020
General Counseling
B.A., University of California, Santa Cruz
M.S., San José State University

WEISNER, KEN 2000
English
B.S., M.F.A., Ph.D., University of California, Santa Cruz

WETHINGTON, PAULINE 2007
General Counseling
B.A., M.A., San José State University

WHITE, WENDY 2004
Humanities
B.A., California State University, Dominguez Hills
Ph.D., University of California, Santa Cruz

WILSON, JULIE 2016
English
B.A., University of California, Berkeley
M.Ed., Howard University
Ph.D., Stanford University

WINCH, ANGELA 2022
Nursing
B.S., University of East London

WISHART, WILLIAM 2016
Automotive Technology
B.A., California State University, Chico

WONG, CATHERINA 2020
Accounting
B.A., McGill University
M.A., University of Toronto

WOO, SHIREEN LUNA 2000
General Counseling
B.A., California State University, East Bay
M.A., San José State University

WOODBURY, ERIK 2012
Chemistry
B.A., Bowdoin College
Ph.D., University of California, Davis

YARAHMADI, FATEMEH 2020
Mathematics
M.A., University of California, Santa Cruz

YEE, LINDA 2007
English as a Second Language

B.A., M.A., University of California, Los Angeles

YI-BAKER, HYON CHU 2018
College Life
B.A., Western Washington University

M.A., Colorado State University
Ph.D., San José State University

YUEN, NICKY GONZALEZ 1992
Political Science

B.A., Carleton College
Ph.D., J.D., University of California, Berkeley

Drug-Free Schools and Campuses Notice

De Anza College, in compliance with federal law, is providing all students and employees with the following statement regarding the unlawful possession, use or distribution of illicit drugs or alcohol on its campus or at any college event. The unlawful possession, use or distribution of any illicit drug or alcohol by students on district property or at district activities or events is prohibited.

The unlawful possession, use or distribution of illicit drugs or alcohol by students or employees on college property or at college events may constitute criminal prosecution under state and federal law.

De Anza College's policies and procedures for sexual assault, including rape, and sexual harassment along with information on alcohol and other drugs are described in the General Polices section of this catalog and can be found at deanza.edu/policies. More information can be found at deanza.edu/healthservices/wellness/drugs-alcohol.

The use of drugs and alcohol may pose significant health risks including hangovers, blackouts, general fatigue, impaired learning, dependency and death. Drugs known as "designer drugs" are a unique combination of drugs. Ecstasy (MDMA) is among the most popular designer drugs on college campuses today.

It is the policy of the college to impose appropriate disciplinary sanctions on employees and students for the unlawful possession, use or distribution of illicit drugs or alcohol. Appropriate disciplinary sanctions may include suspension or expulsion for students or suspension or termination for employees. The applicable sanctions for student violations are contained in Administrative Procedures 5510 and 5520 of the Foothill-De Anza Community College District.

- Controlled Substances - Uses and Effects (PDF 146K)
- Federal Trafficking Penalties (PDF 170K)

Campus Map and Directory

Printable Map
View or download a printable map that shows buildings, parking, restrooms and more.

Video Tour
Visit our video tour webpage to see a complete video tour of the campus or choose from a menu of selected locations.

360-Degree Virtual Tour
De Anza's Metaverse Club has been working on a 360-degree virtual tour of the campus. Check it out!.

Parking
For more information about parking rules and fees, see our Parking webpages.

Bicycle Riders
Download this bike rack map to see where you can lock up your wheels on campus.

Guided Campus Tours
If you are a student or a parent who's interested in De Anza College, a good way to learn more is by taking a guided tour of our campus.