



21250 Stevens Creek Blvd.
Cupertino, CA 95014
408-864-5678
www.deanza.edu

Academic Year
2016 - 2017

Associate in Science in Computer Science for Transfer (A.S.-T.)

Business, Computer Sciences and
Applied Technologies Division
Bldg. L1, Room L14
408-864-8797

Counseling and Advising Center
Student and Community
Services Bldg., 2nd Fl.
408-864-5400

Please visit the Counseling Center to apply for degrees and for academic planning assistance.

A.A.-T./A.S.-T. Associate Degree for Transfer Requirements

1. Completion of all major requirements. Each major course must be completed with a minimum "C" grade.
Major courses can also be used to satisfy GE requirements (except for Liberal Arts degrees).
2. Certified completion of either the California State University (CSU) General Education Breadth pattern (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC for CSU).
3. Completion of a minimum of 90 CSU-transferrable quarter units (De Anza courses numbered 1-99) with a minimum 2.0 GPA ("C" average).
4. Completion of all transferrable and non-transferrable De Anza courses (courses numbered 1-199) with a minimum 2.0 GPA ("C" average).
5. Completion of all De Anza courses combined with courses transferred from other academic institutions with a minimum 2.0 GPA ("C" average).
Note: A minimum of 18 quarter units must be earned at De Anza College.

Major courses for certificates and degrees must be completed with a letter grade unless a particular course is only offered on a pass/no-pass basis.

Associate in Science in Computer Science for Transfer

A.S.-T. Degree

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 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.

Student 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.

1. Meet the A.A.-T./A.S.-T. degree requirements for transfer.
2. Complete the following.

CIS 21JA	Introduction to x86 Processor Assembly Language and Computer Architecture	4.5
CIS 22C	Data Abstraction and Structure	4.5
or CIS 22CH	Data Abstraction and Structure - HONORS	4.5
CIS 35A	Java Programming	4.5
MATH 1A	Calculus	5
or MATH 1AH	Calculus - HONORS	5
MATH 1B	Calculus	5
or MATH 1BH	Calculus - HONORS	5
MATH 1C	Calculus	5
or MATH 1CH	Calculus - HONORS	5
MATH 22	Discrete Mathematics	5
PHYS 4A	Physics for Scientists and Engineers: Mechanics	6
PHYS 4B	Physics for Scientists and Engineers: Electricity and Magnetism	6

Major	Computer Science for Transfer	45.5
Transfer GE	IGETC for CSU pattern (52 units)	
Electives	CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90	
Total Units Required		90