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Cupertino, CA 95014
408-864-5678
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Academic Year
2020 - 2021

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

Biological, Health and
Environmental Sciences Division
Kirsch Center, Room 228
408-864-8773

Find your counselor at
deanza.edu/our-counselors

Please visit your counselor to apply for certificates or degrees and for academic planning assistance.

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

1. Completion of all major courses with a C grade or higher. Major courses may be used to satisfy GE requirements.
2. 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.
3. Completion of a minimum of 90 CSU-transferable quarter units with a minimum overall GPA of 2.0 in all CSU-transferable units.

Note: While a minimum 2.0 GPA is required for admission to CSU, many majors and campuses require a higher GPA. Please consult with a counselor or academic adviser.

Note: A minimum of 18 degree-applicable quarter units must be earned at De Anza College.

Associate in Science in Biology for Transfer

A.S.-T. Degree

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

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

Required Core:	18
BIOL 6A Form and Function in the Biological World	6
or BIOL 6AH Form and Function in the Biological World - HONORS	
BIOL 6B Cell and Molecular Biology	6
BIOL 6C Ecology and Evolution	6
or BIOL 6CH Ecology and Evolution - HONORS	

List A:

Complete five courses:	12-15
CHEM 1A General Chemistry	5
or CHEM 1AH General Chemistry - HONORS	
CHEM 1B General Chemistry	5
or CHEM 1BH General Chemistry - HONORS	
CHEM 1C General Chemistry and Qualitative Analysis	5
or CHEM 1CH General Chemistry and Qualitative Analysis - HONORS	
MATH 1A Calculus	5
or MATH 1AH Calculus - HONORS	
MATH 1B Calculus	5
or MATH 1BH Calculus - HONORS	

Complete one option: 12-15

Option 1:	
PHYS 2A General Introductory Physics (5)	
PHYS 2B General Introductory Physics (5)	
PHYS 2C General Introductory Physics (5)	
Option 2:	
PHYS 4A Physics for Scientists and Engineers: Mechanics (6)	
PHYS 4B Physics for Scientists and Engineers: Electricity and Magnetism (6)	

Major	Biology for Transfer	55-58
Transfer GE	IGETC for STEM (52 units)	
Electives	CSU-transferable elective courses required when the major units plus transfer GE units total is less than 90	

Total Units Required90