DeAnza College

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

Academic Year
2022 - 2023

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. 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

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1. Meet the A.A.-T./A.S.-T. degree for transfer requirements.
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:		**25**
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 (43-54 units)*	
Electives	*CSU-transferrable elective courses required when the major units plus transfer GE units total is less than 90 units*	
	Total Units Required 90	