

BIOLOGY ASSOCIATE IN SCIENCE DEGREE FOR TRANSFER

Division: Natural Sciences

PROGRAM CODE: 2S37174

The **Biology Associate in Science Degree for Transfer**, also called the Biology AS-T Degree, prepares students to transfer to CSU campuses that offer bachelor's degrees in Biology. Ed Code Section 66746-66749 states students earning the Biology AS-T degree will be granted priority for admission as a Biology major to a local CSU, as determined by the CSU campus to which the student applies. Students with a degree in biology may pursue careers in a variety of fields such as health care, biomedical/pharmaceutical research, education, environmental technology and more. A biology degree may also facilitate entry into various graduate or professional programs. The Biology AS-T Degree requires a total of 35 units of required courses and restricted electives as indicated below.

The following is required for all AA-T or AS-T degrees, and there are no additional graduation requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) for STEM or the California State University General Education – Breadth for STEM Requirements (<https://catalog.nocccd.edu/fullerton-college/academic-requirements/associate-arts-associate-science-degrees-transfer/>) (for admissions to CSU, it is necessary that the students meet the "Oral Communications" requirement when using IGETC for AA-T or AS-T).
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.
3. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A P (Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better.

Code	Title	Units
Required Courses (9 units):		
BIOL 170 F	Organismal Biology	5
BIOL 272 F	Cell and Molecular Biology	4
List A (22 units):		22
<i>The student must complete 10 units of CHEM, 4 units of MATH, and an 8-unit sequence of PHYS from the list below:</i>		
CHEM 111AF	General Chemistry I	5
CHEM 111BF	General Chemistry II	5
MATH 151 F	Calculus I (formerly MATH 150AF)	4
	or MATH 151HF Honors Calculus I (formerly MATH 150HF)	
PHYS 205 F & PHYS 206 F	Physics for the Life Sciences I and Physics for the Life Sciences II	8
<i>OR</i>		

PHYS 210 F & PHYS 211 F	Physics with Calculus for the Life Sciences I and Physics with Calculus for the Life Sciences II	8
<i>OR</i>		
PHYS 221 F & PHYS 222 F	General Physics I and General Physics II	8
<i>List B (4 units):</i>		4
BIOL 274 F	General Ecology	4
Total Units		35

Outcome 1: Design, execute, and communicate the results of an experiment in order to explore important topics in biological sciences using the scientific method.

Outcome 2: Analyze the impact of human activities on natural environments in order to understand and respond to global systems challenges including climate and health concerns, and loss of habitat and biological diversity.

https://www.curricunet.com/fullerton/reports/program_report.cfm?programs_id=725