

Associate in Science Degree in Biology for Transfer Degree:

This degree is accepted by some but not all CSU campuses.

The Associate in Science in Biology for Transfer is intended for students who plan to complete a bachelor's degree in Biology or a related major in the California State University (CSU) system. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree. Students who plan to complete this degree should consult a counselor for additional information about participating CSU campuses as well as university admission, degree, and transfer requirements.

Courses Required for the Major:	Units
BIOL 210A Introduction to the Biological Sciences I	4
BIOL 210B Introduction to the Biological Sciences II	4
CHEM 200 General Chemistry I - Lecture	3
CHEM 200L General Chemistry I - Laboratory	2
CHEM 201 General Chemistry II - Lecture	3
CHEM 201L General Chemistry II - Laboratory	2
CHEM 231 Organic Chemistry I - Lecture	3
CHEM 231L Organic Chemistry I - Laboratory	2
MATH 121 Basic Techniques of Applied Calculus I	3
or	
MATH 122 Basic Techniques of Calculus II	3
or	
MATH 150 Calculus with Analytic Geometry I	5
PHYS 125 General Physics	5
and	
PHYS 126 General Physics II	5
or	
PHYS 195 Mechanics	5
and	
PHYS 196 Electricity and Magnetism	5

Total Units = 36-38

General Education: In addition to the courses listed above, students must complete one of the following general education options:

- The IGETC pattern (page 108) is accepted by all CSU campuses and most UC campuses and majors. It is also accepted by some private/independent or out of state universities.
- The CSU GE pattern (page 116) is accepted by all CSU campuses and some private/independent or out of state universities. It is not accepted by the UC system.

Students pursuing an Associate Degree for Transfer (ADT) in Biology or Chemistry have the option of selecting the IGETC for STEM pattern. The IGETC for STEM general education option permits students to delay one general education course in Area 3 (Arts and Humanities) and one course in Area 4 (Social and Behavioral Sciences) until after transfer. It is strongly recommended that students consult with a counselor to determine which general education