

BIOLOGY

Award Title	Academic Plan	Award Type	GE Units	Required Course Units	Major Elective Units	Major Units
Biology	T037241H	AS-T	IGETC for STEM only	10	23-25	33-35
At least 60 degree applicable units are required to earn an Associate degree.						
This program is Financial Aid Eligible.						

PROGRAM OVERVIEW

The Associate in Science in Biology for Transfer Degree prepares students to transfer into a curriculum at a California State University (CSU) to pursue a Baccalaureate degree in Biology (or a related major). Students who complete this degree will be guaranteed admission with Junior status to the California State University system, although not a particular campus or major. The Associate in Science in Biology for Transfer Degree may also be appropriate for all students who want to pursue a career in the life sciences and allied health professions such as nursing, medicine, dentistry and pharmacy.

Students will apply fundamental concepts of biology and relate them to mathematics, physics and chemistry. These concepts addressed in the Associate in Science in Biology for Transfer Degree will prepare students to enter fields such as genetic engineering, forensics, biochemistry, veterinary medicine, pathology, botany, zoology, marine biology, forestry, microbiology, conservation biology, ecology, environmental studies, and bioinformatics. The biological sciences are a leading field contributing to major discoveries that directly affect society and individuals.

The Associate in Science in Biology for Transfer (AS-T) Degree will be awarded upon:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including completion of:

- The Intersegmental General Education Transfer Curriculum for Science, Technology, Engineering, and Mathematics (IGETC for STEM) pattern. **Note: Completion of IGETC, Area 1C: Oral Communication is required for CSU Admissions.**
- 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.

- All courses in the major must be completed with a grade of "C" or better or a "P" if the course is taken on a "Pass/No Pass" basis (Title 5 § 55063). Note: some UC and CSU have limitations on courses taken for Pass/No Pass; please contact the campus for more details.

3. Completion of a minimum of 12 semester units in residence.

Students interested in transferring and/or completing an Associate in Science in Biology for Transfer are highly encouraged to consult with a LATTCC counselor for more information on university admission, identifying similar degrees at CSU and transfer requirements to other institutions.

PROGRAM LEARNING OUTCOMES (PLOs)

Upon completion of the **Degree** program, students are able to:

- Explain the fundamental principles of biology.
- Apply the scientific method to various fields in biology and to major issues impacting society.

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Associate in Science for Transfer Major Units: 33-35

Requirements for the Associate in Science for Transfer (AS-T) in Biology may be met by completing 10 units of Required Courses and 23-25 units of Major Electives with a "C" or better along with general education courses meeting IGETC for STEM only.

REQUIRED CORE

	UNITS
BIOLOGY 006 General Biology I	5
BIOLOGY 007 General Biology II	5

AND

List A: Select 23-25 units from the following	UNITS
CHEM 101 General Chemistry I	5
CHEM 102 General Chemistry II	5
MATH 265 Calculus with Analytic Geometry I	5
PHYSICS 006 General Physics I	4
<i>and</i>	
PHYSICS 007 General Physics II	4
<i>OR</i>	
PHYSICS 101 Physics for Engineers and Scientists I	5
<i>and</i>	
PHYSICS 102 Physics for Engineers and Scientists II	5

Major Required Subtotal	33-35 units
IGETC for STEM	31 units
CSU Transferable Elective units	(as needed to reach 60 units)
TOTAL CSU transferrable units	60 units