

# BIOLOGY

## PROGRAM OVERVIEW

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.

## DEGREE REQUIREMENTS

Completion of 60 transferable semester units to the California State University.

- Obtainment of a minimum grade point average of 2.0 in all transferable coursework.
- The **Intersegmental General Education Transfer Curriculum for Science, Technology, Engineering, and Mathematics (IGETC for STEM)** pattern with completion of Area 1C; Oral communication (CSU admission requirement)
- A minimum of 33 semester units required for the major
- 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)
- Minimum 12 units in residence

## 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.

**Transfer students are strongly encouraged to create a transfer plan with a counselor as early as possible. Course articulation and major prep for this major at other universities should be reviewed with a counselor.**

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Associate in Science for Transfer Degree

Major: 33-35 units

## REQUIRED CORE COURSES

BIOLOGY 006	General Biology I	5
BIOLOGY 007	General Biology II	5
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
<b>AND</b>		
PHYSICS 007	General Physics II	4
<b>OR</b>		
PHYSICS 101	Physics for Engineers and Scientists I	5
<b>AND</b>		
PHYSICS 102	Physics for Engineers and Scientists II	5

**TOTAL UNITS**

**33-35**



### Biology AS-T: Similar Programs at local CSU campuses

Channel Islands	General Biology	BA
Dominguez Hills	Biology - General	BA
Long Beach	Biology - Organismal Biology	BS
Los Angeles	Biology - General	BS
Northridge	Biology - General	BA
Northridge	Biology - Biotechnology/Medical Technology	BS
Pomona	Biology - General	BS

### Declaring the major

Meet with a counselor to set the following plans and majors in PeopleSoft. (Required to allow you to apply for graduation online.)

- Biology AS-T
- A.A. degree in Liberal Arts and Sciences:
- Mathematics, Physical and Natural Sciences (optional)
- IGETC Certificate of Achievement (IGETC for STEM)

### Preparing for Graduation

Please log in to PeopleSoft Student Portal to fill out the appropriate application for the degree/certificate and submit it before the deadline.

- If you have attended any colleges or universities outside the Los Angeles Community College District and will be using coursework toward an Associate's degree, Certificate of Achievement or GE Certification, we require official transcripts to be on file with Admissions and Records. This also applies to any coursework taken within our District prior to Spring 1974. Transcripts from other institutions must be mailed directly to the Admissions & Records Office by the respective colleges for credit.
- If you are going to use courses from colleges or universities outside of the California Community College system, you should make an appointment with a counselor for a transcript evaluation to determine which courses can be used towards your degree or certification. It is highly recommended that all students who start at LATTC meet with a counselor to discuss your transfer educational goals.

### Applying for Graduation (Degree and Certificate)

- Please logon to the PeopleSoft portal and navigate to:  
**Academic Records >My Academics >Petition for Graduation**
- Apply within the first 6 weeks of the current semester.
- Applications submitted after deadline may be reviewed for the subsequent semester.