

DEGREES & CERTIFICATES

BIOLOGY ASSOCIATE IN SCIENCE FOR TRANSFER (AS-T)

About the Program

The Las Positas College Biology program offers courses that lead to an Associate in Science in Biology for Transfer degree. The Associate in Science in Biology for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Biology or similar major. The major requirements for this degree align with the Intersegmental Transfer Model Curriculum (TMC) for Biology. Students will have guaranteed admission to a California State University (CSU) campus upon successful completion of the program requirements. Students should consult with a counselor to determine whether or not this degree is the best option for their transfer goals. General education requirements should be selected carefully based on the intended transfer institution. The course work required for the AS-T in Biology provides foundational knowledge and hands-on experiences across all levels of biology, from the molecular to the ecological.

Program Goals and Objectives

The Associate in Science in Biology for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Biology or similar major.

Career Opportunities

The Associate in Science Degree in Biology for Transfer is intended to provide an option for students who plan to complete a bachelor's degree in a similar major at a CSU campus. This program serves biology majors interested in research, academic, and industry careers in the biological sciences. The program also serves students with pre-professional transfer goals (e.g., medicine, optometry, veterinary, pharmacy, physical therapy).

Program Outcomes

- Upon completion of an AS-T in Biology, students are able to design, conduct, analyze, and/or report results of investigations and experiments in the laboratory and/or field.
- Upon completion of an AS-T in Biology, students are able to explain and apply basic principles and processes of biology at different levels, from the biochemical to the ecological.
- Upon completion of an AS-T in Biology, students are proficient in standard biology lab techniques and lab safety procedures.

Learning and Career Pathway Maps

[View LPC Program Map](#)

[View CSU Program Map](#)

Completion 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.
 - 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.

Associate Degrees for Transfer (ADT's) also require that students must earn a "C " (or "P") or better in all courses required for the major or area of emphasis.

Required Core: (15 units)

BIO 1A General Botany.....	5
BIO 1B General Zoology.....	5
BIO 1C Cell and Molecular Biology.....	5

List A: (23 units)

CHEM 1A General College Chemistry I.....	5
CHEM 1B General College Chemistry II.....	5
MATH 1 Calculus I.....	5
PHYS 2A Introduction to Physics I.....	4
PHYS 2B Introduction to Physics II.....	4

Total Units for the Major..... 38

Additional General Education and Electives..... 22