

BIOLOGY, ASSOCIATE IN SCIENCE FOR TRANSFER

The Associate in Science in Biology for Transfer degree is intended for students who plan to complete a bachelor's degree in Biology or a similar major at a CSU campus. For a current list of what majors (and what options or areas of emphasis within that major) have been designated as "similar" to this degree at each CSU campus, please refer to [California State University Associate Degree for Transfer website](#) and [seek guidance from a Ventura College counselor](#). Students completing this degree are guaranteed admission to the CSU system, although not necessarily to a particular CSU campus or major.

Students transferring to a CSU campus that accepts the Biology AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major at a particular campus). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

To earn an Associate in Science in Biology for Transfer degree, students must meet the following requirements:

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - The Intersegmental General Education Transfer Curriculum (IGETC-CSU) or the California State University General Education-Breadth (CSU GE-Breadth) requirements.
 - A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtain a minimum grade point average (GPA) of 2.0 in all CSU transferable coursework. While a minimum GPA of 2.0 is required for admission, some transfer institutions and majors may require a higher GPA. Please consult with a counselor for more information.
- Obtain a grade of "C" or better or "P" in all courses required in the major or area of emphasis. Although a "P" grade is allowed (Title 5, Section 55062), it is recommended that students take their major courses with a letter grade ("A," "B," or "C") due to unit limitations on "P/NP" courses.
- Complete requirements in residency. For students in the Ventura County Community College District, a minimum of 12 units must be completed in residence within the district.

Course ID	Title	Units/ Hours
Required Core		
BIOL V03	Evolution, Ecology, and Organismal Biology	4
BIOL V04	Cell and Molecular Biology	4
Total Required Core Units		8

List A: Complete all courses in Group 1 and one sequence in Group 2:

1. Complete all three (3) courses listed below:

CHEM V01A & V01AL	General Chemistry I and General Chemistry I Laboratory	3+2
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CHEM V01B & V01BL	General Chemistry II and General Chemistry II Laboratory	3+2
MATH V21A	Calculus with Analytic Geometry I	5

2. Complete one (1) of the three (3) physics sequences listed below:

PHYS V02A & V02AL	General Physics I: Algebra/Trigonometry-Based and General Physics I Laboratory: Algebra/Trigonometry-Based	4+1
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PHYS V02B & V02BL	General Physics II: Algebra/Trigonometry-Based and General Physics II Laboratory: Algebra/Trigonometry-Based	4+1
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—OR—

PHYS V03A & V03AL	General Physics I: Calculus-Based and General Physics I Laboratory: Calculus-Based	4+1
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PHYS V03B & V03BL	General Physics II: Calculus-Based and General Physics II Laboratory: Calculus-Based	4+1
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—OR—

PHYS V04 & V04L	Mechanics for Scientists and Engineers and Mechanics Laboratory for Scientists and Engineers	4+1
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PHYS V05 & V05L	Electricity and Magnetism for Scientists and Engineers and Electricity and Magnetism Laboratory for Scientists and Engineers	4+1
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Total List A Units **25**

Total Major Units **33**

CSU-GE Breadth for STEM Pattern

Total Major Units	33
CSU General Education Breadth for STEM Units	33
Double-Counted Units	(10)
Elective (CSU Transferable) Units	4
Total Degree Units	60

IGETC for STEM Pattern

Total Major Units	33
IGETC for STEM General Education Units	31
Double-Counted Units	(10)
Elective (CSU Transferable) Units	6
Total Degree Units	60

See a counselor or consult assist.org, especially if you plan to transfer to a UC campus or a college or university other than a CSU campus.

Upon successful completion of this program, students will be able to:

- Collect, analyze, and interpret data using the scientific method.
- Explain the characteristic themes and concepts that unify the discipline of biology.
- Locate, identify, evaluate, and discuss information from current primary and secondary literature on biological topics.