

Associate in Science in Biology for Transfer Degree:

Program Description

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 related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. 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.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes

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

The IGETC pattern 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 is accepted by all CSU campuses and some private/independent or out of state universities. It is not accepted by the UC system.

It is strongly recommended that students consult with a counselor to determine which general education option is most appropriate for their individual educational goals.

Electives as needed to meet minimum of 60 CSU-transferable units required for the degree.

The following is required for all AA-T or AS-T degrees:

Completion of 60 CSU-transferable semester units. No more than 60 units are required.

Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.

Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major (see list below). All courses in the major must be completed with a grade of C or better.

Certified completion of the California State University General Education-Breadth pattern (CSU GE; see catalog for more information); OR the Intersegmental General Education Transfer Curriculum pattern (IGETC; see catalog for more information).

Program Goals

The purpose of the Associate in Science in Biology for Transfer degree is to offer an organized course of study that will prepare students intending to major in Biology at the California State University (CSU). It is accepted by some but not all CSU campuses. 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.

Program Emphasis

Careers related to this field typically require education beyond the associate degree level and some may require a graduate degree.

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
MATH 121	Basic Techniques of Applied Calculus I	3
or		
MATH 150	Calculus with Analytic Geometry I	5
PHYS 125	General Physics	5
and		

PHYS 126	General Physics II	5
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or

PHYS 195	Mechanics	5
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and

PHYS 196	Electricity and Magnetism	5
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Select 3-5 Units from the following:

CHEM 231	Organic Chemistry I – Lecture	3
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and

CHEM 231L	Organic Chemistry I – Laboratory	2
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MATH 122	Basic Techniques of Calculus II	3
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MATH 151	Calculus with Analytic Geometry II	4
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Total Units = 34–38