

PROGRAMS

BIOLOGICAL SCIENCES - AS

Associate in Science in Biological Sciences

- [Contact the Biology Department](#)
- [View all Biology courses and degrees.](#)

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The Associate in Science in Biological Sciences is designed for students interested in acquiring a solid foundation in basic biology, evolutionary theory, and the scientific method. This program is appropriate for students seeking entry-level positions in the life sciences.

Program Learning Outcomes

- Students will apply the scientific method to investigate biological questions by collecting and quantitatively analyzing data.
- Students will identify and apply the central concepts, hypotheses, and theories that comprise the major areas of the biological sciences, including cell and organism structure and function.
- Students will explain the genetic or evolutionary connections between biological structures and their function, and between organisms and their environment.

Meet the Following Requirements

1. Completion of 60 degree applicable units with an overall GPA of 2.0.
2. Completion of a minimum of 18 semester units in the major with a grade of C (or P) or better.
3. Completion of the AS Graduation Requirements, CSU GE-B or IGETC.

Please Note

Requirements here apply to the current catalog year and are subject to change. Visit DegreeWorks in [My Mission Portal](#) to view requirements based your catalog year. Not all classes are offered each semester.

Required Core Courses

BIO 001AH can be taken in lieu of BIO 001A

Code	Class	Units
BIO 001A	General Biology: Cells (3.0 Lecture/2.0 Lab)	5.0
BIO 001B	General Biology: Organisms (3.0 Lecture/2.0 Lab)	5.0

Select 8.0 Units From the Following Courses

Code	Class	Units
NTR 015	Human Nutrition (3.0 Lecture)	3.0
ANT 001	Biological Anthropology (3.0 Lecture)	3.0
BIO 004	Microbiology (3.0 Lecture/2.0 Lab)	5.0
BIO 010	Introduction to Biology (3.0 Lecture)	3.0
BIO 010L	Introduction to Biology Lab (1.0 Lab)	1.0
BIO 011	Human Biology (3.0 Lecture/1.0 Lab)	4.0
BIO 012	Emerging Infectious Diseases (3.0 Lecture)	3.0
BIO 014	Introductory Neuroscience (3.0 Lecture)	3.0
BIO 014H	Introductory Neuroscience - Honors (3.0 Lecture)	3.0
BIO 016	Marine Biology (3.0 Lecture/1.0 Lab)	4.0
BIO 017	Genetics and Society (3.0 Lecture)	3.0
BIO 017H	Genetics and Society - Honors (3.0 Lecture)	3.0

PROGRAMS

Code	Class	Units
BIO 019	Oceans: Life in the Sea (3.0 Lecture)	3.0
BIO 025	Environmental Biology (3.0 Lecture)	3.0
BIO 030	Tropical Ecology (3.0 Lecture)	3.0
BIO 030L	Tropical Ecology Field Studies (1.0 Lab)	1.0
BIO 032	California Plants and Animals (3.0 Lecture/1.0 Lab)	4.0
BIO 048	Human Physiology (3.0 Lecture/2.0 Lab)	5.0
BIO 048H	Human Physiology - Honors (3.0 Lecture/2.0 Lab)	5.0

Required Units for the Major

	Units
Required Units for the Major	18.0
plus completion of general education requirements and electives as needed to reach 60 units.	
Total required units	60.0