

Biology

Biology AS Degree

The Biology Program provides students with the opportunity to earn an associate degree in the student's area of specialization and prepares the student for transfer to a four-year institution. Students completing the baccalaureate program or graduate school may be hired in the major or in a related field such as biochemistry, bioengineering, botany, clinical lab technology, environmental biology, forestry, oceanography, range management, wildlife/fisheries biology, or zoology.

Program student learning outcomes:

1. Based upon scientific principles, students will integrate knowledge and make informed judgments predicated upon sound assessment of data.
2. Students will apply the scientific method by stating a question; researching the topic; determining appropriate tests; performing tests; collecting, analyzing, and presenting data; and finally proposing new questions about the topic.
3. Based upon an integrative approach, students will articulate clearly the symbiotic impacts of humans and the environment.
4. Students will apply the metric system using standard laboratory equipment. Systematically collect, organize, and present appropriate data in graphs, tables, or figures. Assess the validity of the data and interpret it correctly.
5. Students will effectively work alone or in teams, managing time and tasks, sharing results and analyses, and arriving at a final collaborative product demonstrating comprehension of Biological principles.

Students must fulfill the following requirements to qualify for an Associate Degree:

- Complete the Local General Education, CSU General Education (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) requirements,
- Complete a minimum of 18 additional units from the major list below,
- Complete electives to reach a total of 60-degree applicable units,
- Earn a grade of C or better in each major course,
- Maintain a minimum cumulative G.P.A. of 2.00, and
- Complete the English and math proficiency requirements with a C or better

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (12 Units)		
BIO 032	Human Anatomy	4
BIO 035	Human Physiology	4
BIO 038	Microbiology	4
Plus 8 units from the courses listed below:		
CHEM 001A	General Chemistry I	5
CHEM 001B	General Chemistry II	5
CHEM 002A	Introductory Chemistry	4
MATH 001A	Introduction to Calculus	5
MATH 001B	Calculus With Applications	5
	Total	20