

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

- Students will be able to label and identify prokaryotic and eukaryotic cell parts and describe their function.
- Students should be able to describe the processes of nutrient catabolism in human body cells.
- Students should be able to differentiate between human tissue types and their respective functions.
- Students should be able to describe the transcription and translation of a human gene

Students must fulfill the following requirements to qualify for an associate degree:

- Complete the Associate Degree requirements
- Complete major course requirements as specified in the catalog with a C or better
- Complete electives to reach a total of 60 degree applicable units
- Maintain a grade point average of 2.00 overall
- Complete the English and math competency requirements with a C or better

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses		
BIO 032	Human Anatomy	4
BIO 035	Human Physiology	4
BIO 038	Microbiology	4
Plus at least 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

**This course is offered infrequently.*