

Minor in Biology

26 units

Requirements

- The minimum prerequisites for the biology minor are a *C-* in BIOL 151 and a *B-* in MATH 110 or equivalent (for example, an ALEKS score of 65). Students may not earn a biology minor if they are majoring in allied health or biochemistry.
- Students must complete all prerequisites for a BIOC, BIOL, or CHEM course with a *C-* or better before taking the course (except as noted in the course description).
- Students must maintain a minimum cumulative GPA of 2.0 in all biology, chemistry, biochemistry, math, and physics courses required for the minor.
- Students must complete each course required for the minor with a *C-* or higher for the course to meet a degree requirement in the Department of Biology and Chemistry.
- Any single course within the minor can be taken only two times at APU; students will be dismissed from the minor after two unsuccessful (below *C-*) attempts in a single required course.
- Only two courses total within the minor can be repeated; students will be dismissed from the minor after unsuccessful (below *C-*) attempts in any three required courses.

Code	Title	Units
Lower-Division Requirements		20
BIOL 151	General Biology I ¹	
BIOL 152	General Biology II	
CHEM 151	General Chemistry I ^{1, 2}	
BIOL 240	Biology of Microorganisms	
BIOL 280	Cell Biology	
BIOL 396	Topics in Biology and Christian Thought ³	
Upper-Division Electives		6
Choose 6 units of electives from the following; these may not include units used to fulfill requirements of the student's major.		
BIOL 300	Genetics ⁴	
BIOL 311	Teaching and Learning in STEM ⁵	
BIOL 312	STEM Education Research Seminar ⁵	
BIOL 313	STEM Teaching Practicum ⁵	
BIOL 320	Ecology ⁶	
BIOL 326	Neurobiology ⁴	
BIOL 336	Vertebrate Biology	
BIOL 342	Medical Microbiology	
BIOL 350	Mammalian Physiology	
BIOL 365	Plant Biology	
BIOL 394	Directed Research Internship ⁵	
BIOL 395	Biological Science Internship ⁵	
BIOL 410	Molecular Biology	
BIOL 435	Stewardship Ecology	
BIOL 440	Developmental Biology	
BIOL 495	Advanced Topics in Biology	
BIOL 497	Readings	
Total Units		26

¹ Meets the General Education Natural Sciences requirement.

² This course may be waived with an appropriate Advanced Placement test score.

³ BIOL 152 (<http://catalog.apu.edu/search/?P=BIOL%20152>) meets this requirement if taken at APU.

⁴ Meets the General Education Integrative and Applied Learning requirement.

⁵ Up to 3 units combined of either BIOL 311, BIOL 312, BIOL 313, BIOL 394, or BIOL 395 may count toward minor elective units.

⁶ Meets the General Education Civic Knowledge and Engagement requirement.