

BIOLOGY MINOR

Program Requirements

Code	Title	Credits
Required Courses		
BIO-1210 & 1210Z	General Biology I and General Biology I Laboratory	4
BIO-1220 & 1220Z	General Biology II and General Biology II Laboratory	4
BIO-2280 & 2280Z	Microbiology and Microbiology Laboratory	4
Selected Courses		
Select 8 semester hours from the following courses:		8
BIO-2520	Ecology and Evolution	
BIO-3400	Genetics	
BIO-3600 & 3600Z	Molecular Biology and Molecular Biology Laboratory	
BIO-4040	Immunology	
BIO-3790	ACCA: Affiliated Course	
BIO-3940	Biology Internship	
BIO-3970	Research in Biology	
BIO-4990	Senior Capstone Biological Sciences	
BIO-3560 & 3560Z	Ecological Conservation and Ecological Conservation Lab	
BIO-4010	Soil and Water	
BIO-3030	Geographic Information System (GIS)	
Total Credits		20

- a. Biological evolution and ecological principles
- b. The structure and function of the cell as the fundamental unit of life
- c. Genetics, heredity and molecular biology
- d. The diversity of life, including classification of the major groups of organisms
- e. The role of energy in living organisms and systems

Outcome 2: Research Methods of Biology – Students should understand and be able to use basic research methods in biology, including research design, data analysis, and interpretation. More specifically, students will be able to:

- a. Analyze biological research studies and draw appropriate conclusions based on data
- b. Demonstrate knowledge of the principles of experimental design
- c. Apply laboratory and/or field techniques common in the biological sciences
- d. Demonstrate knowledge of safe practices in the laboratory and/or field

Regulations Governing Minors

1. Minors at Aurora University are optional. They are not required for graduation.
2. A minor shall comprise a minimum of 18 semester hours.
3. At least 25% of the credits applied to a minor must be earned at AU.
4. Each minor must be developed and monitored by an approved program committee of the faculty; new or substantially revised minors require the approval of the Board of Trustees based on recommendations from the program committee, the appropriate school/college governance bodies, the Academic Dean, appropriate university governance bodies, the Chief Academic Officer, and the President.
5. Beyond the minimum coursework requirement, the content, structure, and extent of a minor are prerogatives of the individual program committees within the schools and colleges of the university, except as otherwise defined or restricted by the academic regulations.
6. No "D" will apply toward minors.
7. A maximum of four (4) semester hours of credit/no credit coursework will apply toward a minor.

Learning Outcomes

Outcome 1: Content and Theories of Biology – students should understand and apply the major concepts, theories, and empirical findings in biology. More specifically, students will be able to demonstrate and understanding of