

# BIOLOGY MINOR

## Program Requirements

Code	Title	Credits
<b>Required Courses</b>		
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
<b>Selected Courses</b>		
Select 8 semester hours from the following courses:		8
BIO-3400	Genetics	
BIO-3510 & 3510Z	Ecology and Ecology Laboratory	
BIO-3530	Evolution	
BIO-3790	ACCA: Affiliated Course	
BIO-3940	Biology Internship	
BIO-3970	Research in Biology	
BIO-4990	Senior Capstone Biological Sciences	
<b>Total Credits</b>		<b>20</b>

## Regulations Governing Minors

- Minors at Aurora University are optional. They are not required for graduation.
- A minor shall comprise a minimum of 18 semester hours.
- At least 25% of the credits applied to a minor must be earned at AU.
- 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.
- 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.
- No "D" will apply toward minors.
- 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

- Biological evolution and ecological principles
- The structure and function of the cell as the fundamental unit of life
- 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:

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