

## Overview

The Biology Option is designed to provide a solid foundation in biological sciences and to satisfy freshman - sophomore curriculum for students intending to continue in the life and health sciences beyond the associate degree. Program flexibility allows students to follow their interests and to match coursework with the requirements of their selected transfer institution. Possible areas of concentration at the four-year college include: biology, genetics, botany, zoology, microbiology, biochemistry, biotechnology, marine biology, ecology, and wildlife conservation.

## Student Learning Outcomes

Upon completion of the Biology Option, students will be able to

1. define and explain fundamental concepts and principles in the biological sciences at all levels: molecular, cellular, organismal, and ecosystem.
2. describe the unifying concepts underlying the diversity of life.
3. correctly use biological instrumentation and proper laboratory and/or field techniques.
4. apply the scientific method including designing and conducting experiments to test hypotheses.
5. effectively communicate biological knowledge in oral and written form.
6. demonstrate the ability to read, understand, and critically evaluate scientific information.
7. work effectively in collaboration with other students in a scientific environment.
8. identify and evaluate human impact on the environment.
9. demonstrate and evaluate ethical conduct in scientific activities.