

Learning Goals for the Biology Minor Program

Students will

1. demonstrate a broad knowledge of biology and develop competency in specific areas of interest;
 - A. Understand the basic chemical principles, cell structure and organization, and metabolism of living organisms.
 - B. Understand plant and animal anatomy and physiology, with an emphasis on form and function.
 - C. Understand the diversity of organisms, systematic biology and phylogeny, and biological interactions over geological time.
 - D. Understand the theory of evolution by natural selection.
2. use an empirical approach to evaluate biological phenomena; and
3. communicate biological knowledge effectively.

Alignment with Academic Learning Goals

| Graduates will | 1 | 2 | 3 |
|---|---|---|---|
| Demonstrate an integrative knowledge of the human and natural worlds; | X | | |
| Develop habits of critical analysis and aesthetic appreciation; | | X | |
| Apply creative and innovative thinking; | | | |
| Communicate skillfully in multiple forms of expression; | | | X |
| Act competently in a global and diverse world; | | | |
| Understand and promote social justice; | | | |
| Apply a framework for examining ethical dilemmas; | | | |
| Employ leadership and collaborative skills; | | | |
| Understand the religious dimensions of human experience. | | | |

Alignment with Assessment Measures

| Measure | 1A | 1B | 1C | 1D | 2 | 3 |
|--|----------|----------|----------|----------|----------|----------|
| Performance on Specified Exam Questions from Courses | Direct | Direct | Direct | Direct | | |
| Course-Embedded Signature Assessments (at least one per 300- and 400-level course) | | | | | Direct | Direct |
| Course Evaluations | Indirect | Indirect | Indirect | Indirect | Indirect | Indirect |