

### Learning Goals for the General Biology 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 principles of molecular, transmission, quantitative, evolutionary, and population genetics.
  - E. 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	1E	2	3
Performance on Specified Exam Questions from Courses	Direct	Direct	Direct	Direct	Direct		
Major Field Test Sub-scores	Direct	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	Indirect