Learning Goals for the Biology M.A. Program

Students will

1. demonstrate a deep knowledge of biology and develop advanced competency in specific areas of interest consistent with the primary focus of the program that the students develop with their committee;
2. demonstrate a deep knowledge of how to use an empirical approach (with appropriate methods, experimental design, and data analysis) to evaluate biological phenomena in new ways; and
3. communicate new biological knowledge effectively in written, oral, and visual formats.

Alignment with Graduate Studies Learning Goals

Graduates will	1	2	3
Demonstrate an integrative knowledge of the of the discipline that extends beyond that attained at the undergraduate level;	X	X	
Develop habits of critical analysis that can be applied to essential questions, issues, and problems within the field;	X	X	
Apply creative and innovative thinking to critical issues in the field;	X	X	X
Communicate skillfully in multiple forms of expression;			X
Understand and promote social justice;			
Apply a framework for examining ethical dilemmas of a particular field of study;			
Employ leadership and collaborative skills.		X	

Alignment with Assessment Measures

Measure	1	2	3
Performance on Specified Exam Questions from Courses	Direct		
Course-Embedded Assessment: Biological Knowledge	Direct		
Course-Embedded Assessment: Experiment Design/Evaluation		Direct	
Course-Embedded Assessment: Scientific Communication			Direct
Exit Interview	Indirect	Indirect	Indirect