Department: Biology
Program Name: Biology
Program Level: Undergraduate
College: Arts and Sciences
Program: Major
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Title: Associate Professor
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Submission Date: November 22, 2017

Program Outcomes

Outcome 1: Demonstrate understanding of core concepts in biology including evolution, structure/function, information storage and flow, transformation of energy and matter, and interacting systems.

Outcome 2: Apply the process of science through experimentation and hypothesis testing with laboratory and/or field techniques, evaluation of evidence and problem solving strategies.

Outcome 3: Apply quantitative analysis and reasoning to interpret biological data.

Outcome 4: Use modeling and simulation through the use of bioinformatics tools and analysis of large data sets.

Outcome 5: Understand the interdisciplinary nature of science and apply concepts from other sciences to interpret biological dynamics.

Outcome 6: Communicate and collaborate with other disciplines through effective writing and presentations for varying audiences, collaboration across other disciplines, and demonstration of cross-cultural/global awareness.

Outcome 7: Understand the relationship between science and society, including an evaluation of ethical implications in biological research.