

LEARNING OUTCOMES: BIOLOGY: ECOLOGY, ETHOLOGY, & EVOLUTION, MS

Learning Outcomes for the Master of Science in Biology, Ecology, Ethology, and Evolution Concentration

Since the subject matter of our Program is interdisciplinary and broad, there is no one set of subject-based learning outcomes that is suitable for the evaluation of our graduate students. Instead, we will focus on appropriate research and professional development skills.

1. Design and implement independent research and integrate and apply core knowledge related to their field in 3 core areas out of 6 (behavior, conservation biology, ecology, evolution, genetics/genomics, physiology/ anatomy)
2. Demonstrate effective oral and written communication skills
 - a. Presentations
 - b. Publications
 - c. Grant writing
3. Apply rigorous statistics/analytical methods that typify their area of study
4. Professional skills
 - a. Data management
 - b. Citation management
 - c. Mentoring
 - d. Ethics
 - e. Professionalism
 - f. Networking
5. Teaching experience