Student Learning Outcomes

University of North Carolina at Greensboro

Provost & Academic Affairs

College of Arts and Sciences

Biology

Biology (MS)

SLO01: Biological Concepts and Analysis
Students will demonstrate proficiency in explaining major biological concepts, including hypothesis-driven investigations, and analyzing, interpreting and evaluating biological data in the areas of organismal, cellular and molecular biology, genetics, evolutionary biology, and ecology.

SLO02: Laboratory Skills
Students will demonstrate proficiency in laboratory skills by carrying out investigations using appropriate techniques and equipment in each primary area of biology (organismal, cellular and molecular biology, genetics, evolutionary biology, and ecology).

SLO03: Communication
Students will demonstrate competence in writing and speaking to communicate biological concepts and clearly explain the process of biological investigations to scientific and general audiences.

SLO04: Ethical and Societal Implications
Students will demonstrate an ability to identify, evaluate and explain ethical and societal implications of scientific approaches used in biological research and of applications of scientific findings.

SLO05: Masters Thesis
Students earning the M.S. in biology will propose, complete, analyze, communicate, and defend a biological research project, culminating in a masters thesis.

Filter Criteria
Prepared by: William Jones
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