

M.S. in Applied Biology

Biological Sciences Department

Salisbury University Graduate School

APPLIED BIOLOGY: CAREER OPPORTUNITIES AND TRAINING

The scope of biological science is broad, and training in this field can lead to many diverse careers. Through SU's program, you will join a research laboratory and gain valuable experience and knowledge that will support further educational goals (e.g., Ph.D. or professional programs) or lead directly to employment. What can you expect from our program?

- Faculty with a broad range of research expertise and interests
- Student-centered faculty mentoring
- Opportunity to focus on a chosen field of interest, while developing broad expertise in modern biological concepts
- Extensive experience conducting science in the laboratory or the field
- Experience with scientific writing and presentation



About the Graduate Program

The M.S. in Applied Biology Program addresses the growing need for a technologically trained workforce with special skills in biotechnology and laboratory and environmental science. The curriculum emphasizes the development of skills in research and relates practical experiences to a strong background in theory. Thesis students work closely with faculty members to design original research projects and to work as independent scientists. The research interests of our faculty are broad, from microbiology and molecular genetics, to the natural history of plants and animals. Prospective thesis students should contact a potential faculty advisor prior to their application to the program to arrange for an interview.

Admissions

Formal applications for the M.S. program must be received by March 1 or October 1 for full consideration for admission into the fall or spring semesters, respectively. Qualified applicants must seek a graduate advisor in advance of the application process. Upon admittance to our program, students may gain support through teaching, graduate and research assistantships.

Admission is based on evaluation of:

- Undergraduate transcripts
- Letters of reference
- Personal statement
- Graduate Record Exam (GRE) scores (optional)

Selected Collaborations

- Delaware Department of Natural Resources and Environmental Control (DNREC)
- Institute for Genome Sciences, University of Maryland School of Medicine
- Auburn University, Delaware State University, University of Florida, Indiana University School of Medicine, Johns Hopkins University, Towson University, University of Notre Dame, University of Texas at Austin, University of Wisconsin-LaCrosse, Virginia Tech
- Horn Point Laboratory, University of Maryland Center for Environmental Science
- Field Museum, Chicago, IL
- Gulf Coast Research Laboratory, Ocean Springs, MS
- Maryland Department of the Environment (MDE)
- NOAA Center for Coastal Fisheries and Habitat Research, Beaufort, NC
- NASA, Wallops Flight Facility
- Smithsonian Tropical Research Institute
- Maryland Department of Natural Resources
- Center for Agricultural Biotechnology, UMCP
- Maryland Coastal Bay Program
- Vanderbilt Medical Center
- U.S. Fish and Wildlife Service

FACULTY

Chair

- Professor Elizabeth A.B. Emmert, Ph.D.
(Microbiology)

Associate Chair

- Professor Dana L. Price, Ph.D.
(Ecology, Evolution and Behavior of Insects)

Professors

- Kimberly L. Hunter, Ph.D.
(Population Genetics)
- Eric Liebgold, Ph.D.
(Ecology and Evolution)
- Jennifer Nyland, Ph.D.
(Immunology)
- Ryan C. Taylor, Ph.D.
(Behavioral Ecology and Evolution)

Associate Professors

- Philip D. Anderson, Ph.D.
(Bioinformatics)
- Christina Bradley, Ph.D.
(Estuarine Biology)
- Xuan Chen, Ph.D.
(Ecology)
- Jessica K. Clark, Ph.D.
(Developmental Biology)
- Jeremy Corfield, Ph.D.
(Vertebrate Biology)
- Angela Freeman, Ph.D.
(Behavioral Endocrinology)
- Aaron S. Hogue, Ph.D.
(Evolutionary and Conservation Biology)
- Victor A. Miriel, Ph.D.
(Cardiovascular Physiology and Pharmacology)

Assistant Professors

- Guney Boso, Ph.D.
(Evolutionary Genomics and Virology)
- Noah Bressman, Ph.D.
(Fish Biomechanics and Behavior)
- Kirsten Guckes, Ph.D.
(Microbiology)
- Katherine Holmes, Ph.D.
(Plant Metabolites)



CONTACT INFORMATION

For more information about the M.S. in Applied Biology, please contact Biology Graduate Program Director:

Dr. Eric Liebgold
410-543-6499
ebliebgold@salisbury.edu

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