



COLLEGE OF NATURAL SCIENCES, FORESTRY, AND AGRICULTURE

## Ecology and Environmental Sciences

### UMaine's ADVANTAGE

- Proximity to diverse marine, freshwater and terrestrial ecosystems
- Practical hands-on and theoretical learning in more than 10 academic units
- Close interaction with faculty advisers to individualize student programs of study
- Opportunities for cutting-edge research, internships and work experience
- World-renowned faculty

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To apply: [umaine.edu](http://umaine.edu)



Connect with us:  
[umaine.edu/socialnetwork](http://umaine.edu/socialnetwork)

### WHY STUDY ECOLOGY AND ENVIRONMENTAL SCIENCES AT THE UNIVERSITY OF MAINE?

If you are passionate about the outdoors, about studying and observing the natural world, and you're concerned about local and global environmental issues, the ecology and environmental sciences program (EES) at the University of Maine will provide you with outstanding opportunities to begin your career. The UMaine campus is surrounded by 32,000 miles of rivers and streams, 3,500 miles of coastline, 6,000 lakes and ponds, and 17 million acres of forest. Maine is a living laboratory for UMaine EES students.

Because of UMaine's location, facilities and reputation, some of the world's top scientists and scholars choose to make UMaine their home. Our faculty members are experts in a breadth of disciplines, including geosciences, soils, biology, ecology, environmental sciences, economics and policy.

### WHAT CAN I DO WITH A DEGREE IN ECOLOGY AND ENVIRONMENTAL SCIENCES?

The interdisciplinary EES degree is highly marketable to employers. An EES degree demonstrates that you have diverse interests and skills, and concern for both the human and ecological issues shaping the quality of our environment. EES graduates pursue careers in environmental consulting, natural resource management, conservation, land-use planning, biology and policy. Employment opportunities are available with nonprofit organizations, local, state and federal agencies, corporations, consulting firms, schools and universities. In addition, many undergraduate EES students pursue graduate degrees.

### OUR UNDERGRADUATE PROGRAM

The B.S. in ecology and environmental sciences is an interdisciplinary program that emphasizes the link between humans and the

environment. Students receive in-depth training from several academic units across campus, including anthropology; biology and ecology; earth and climate sciences; economics; food and agriculture; forest resources; marine sciences; and wildlife, fisheries, and conservation biology. EES students learn about a wide array of natural systems, as well as the scientific, social and economic principles that govern use of natural resources.

Our curriculum is designed to address current environmental challenges and provide an education that ensures our graduates are competitive in today's job market. We train students to be well-grounded in both social and biophysical sciences, and to be equipped with practical skills (e.g., field and research experience, facility with geographic information systems, ability to communicate effectively and familiarity with information technologies). We offer a number of concentrations so students can select the focal area that best meets their interests and career goals. The program is designed to allow students ample flexibility to pursue individual interests in preparing for careers or postgraduate study.

### OUR GRADUATE PROGRAM

The University of Maine offers competitive M.S. (thesis and nonthesis) and Ph.D. degrees in ecology and environmental sciences. Our graduate students employ and mentor many of our undergraduate students and have ample opportunity to engage in EES-related program development (e.g., seminar series, student activities and career development).

### OUR FACULTY

EES faculty are engaged in cutting-edge, internationally recognized research on complex environmental problems — from

## ABOUT UMAINE

The University of Maine, founded in Orono in 1865, is the state's premier public university. It is among the most comprehensive higher education institutions in the Northeast and attracts students from across the U.S. and more than 73 countries. It currently enrolls 11,286 total undergraduate and graduate students who can directly participate in groundbreaking research working with world-class scholars. The University of Maine offers doctoral degrees in 35 fields, representing the humanities, sciences, engineering and education; master's degrees in roughly 70 disciplines; 90 undergraduate majors and academic programs; and one of the oldest and most prestigious honors programs in the U.S. The university promotes environmental stewardship on its campus, with substantial efforts aimed at conserving energy, recycling and adhering to green building standards in new construction. For more information about UMaine, visit [umaine.edu](http://umaine.edu).

## explore

*Bachelor of Science in  
Ecology and Environmental Sciences*

*Concentrations in  
Earth and Environmental Sciences*

*Ecosystem Ecology*

*Natural History and  
Environmental Studies*

*Soil and Water Sciences*

*Sustainability, Environmental Policy  
and Natural Resource Management*

*Individualized Concentration*

*Minor in  
Ecology and Environmental Sciences*

*Master of Science in  
Ecology and Environmental Sciences*

*Ph.D. in  
Ecology and Environmental Sciences*



EES undergraduate Ray Peck conducts wildlife surveys as part of his internship with an environmental consulting firm.

songbird migration in the Gulf of Maine to global climate change issues. Our faculty influence the way people perceive, use and manage natural resources. They regularly publish popular literature and scientific articles in leading magazines and journals in their areas of expertise, and have authored books used in college-level instruction. Our faculty hold leadership positions in national and international professional organizations and nongovernmental organizations.

EES faculty members are accessible and committed to the enrichment of their students. Many faculty employ and mentor undergraduates, providing volunteer and paid research positions both during the academic year and the summer months.

### OPPORTUNITIES TO EXCEL

EES faculty have active research programs that provide students access to diverse research initiatives in the field and in the lab, as well as employment opportunities in their

fields of study, both during the academic year and the summer months. Our students engage actively in the research process; it is not uncommon for undergraduates to coauthor papers with faculty and graduate students.

EES students are encouraged to pursue internships and study abroad field opportunities for academic credit. UMaine students have pursued a variety of experiences, ranging from working with attorneys on solid waste disposal issues to monitoring wildlife at wind power production sites. In Maine, EES has established competitive internships with regional consulting firms, and state and federal agencies.

### HOW DO I APPLY?

Visit [umaine.edu](http://umaine.edu) for an application, as well as information about academics and life at UMaine.



**After receiving such a fantastic interdisciplinary undergraduate education, I have the ability to step into a wide variety of projects within the company. This is an asset that not every new employee can bring to the table."**

— Nicholas Bonzey, Class of 2006, Soil Scientist with Stantec Inc.

