

## Ecology and Environmental Sciences

Bachelor of Science Degree

### Contact

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### Admission Requirements

*(In years as established by the college)*

A high school diploma with the following specific courses:

- 4 English
- 2 Algebra I & II
- 1 Geometry
- 2 Lab Science (biology and chemistry or physics)
- 2 History/Social Studies
- Academic electives (to equal at least 17 credits)

*To ensure current mathematical skills, students should take a mathematics course during their senior year of high school.*

## College of Natural Sciences, Forestry, and Agriculture

### Program Description

The ecology and environmental sciences program is an interdisciplinary program through which students learn the scope and characteristics of our natural environment and are introduced to concepts from several disciplines that illuminate issues of resource use, conservation and preservation.

The curriculum is designed to prepare graduates grounded in both the natural and social sciences, and possessing the analytic and communications skills necessary for successful careers. However, the program also is designed to allow students ample flexibility to pursue individual interests in preparing for careers or post-graduate study. Students should decide on their area of concentration early in their academic careers so that course choices in the first and second years will include the prerequisites for courses in their chosen concentration. Concentrations are: ecology, environmental sciences, soil and water sciences, wetland and aquatic ecology, resource and environmental policy, land use planning, natural history, entomology, natural resource management and international conservation, as well as an individualized concentration.

### Specialized Information

Students have many opportunities to work on faculty research projects.

### Representative Courses

EES 100 Human Population and the Global Environment  
 EES 200 Introduction to Safety and Environmental Management  
 EES 324 Environmental Protection Law and Policy  
 EES 396 Field Experience in Ecology and Environmental Sciences  
 EES 400 Senior Paper in Ecology and Environmental Sciences  
 EES 418 Environmental Assessment and Management Techniques  
 EES 450 Principles of Environmental Science  
 EES 489 Critical Issues in Ecology and Environmental Science Policy  
 EES 497 Independent Studies in Ecology and Environmental Sciences

### UMaine Graduate Programs

Master of Science in Ecology and Environmental Sciences  
 Master of Science in Resource Economics and Policy  
 Master of Science in Plant, Soil and Environmental Studies  
 Master of Science in Marine Bioresources  
 Master of Science in Entomology  
 Doctor of Philosophy in Ecology and Environmental Sciences  
 Doctor of Philosophy in Plant Science  
 Doctor of Philosophy in Marine Bioresources

## 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 60 countries. It currently enrolls 12,000 total undergraduate and graduate students who can directly participate in groundbreaking research working with world-class scholars. Students are offered 88 bachelor's degree programs, 64 master's degree programs, 25 doctoral 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, go online ([umaine.edu](http://umaine.edu)). Equal opportunity information also is available online ([umaine.edu/eo](http://umaine.edu/eo)).

## How do I apply?

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



## Academic Programs 2011–12

The latest versions of the UMaine fact sheets are online ([factsheets.umaine.edu](http://factsheets.umaine.edu)). This fact sheet is intended for informational purposes only and is subject to change.

