

Marine Science

Bachelor of Science Degree

Contact

William Ellis, Undergraduate
 Program Coordinator
 5706 Aubert Hall, Room 360
 Orono, ME 04469-5741
 207-581-4360
 fax: 207-581-4388
 william.ellis@umit.maine.edu
umaine.edu/marine

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.

Did You Know?

We are the only program in New England to offer a marine science undergraduate degree with three different concentrations. In addition, we have our own marine lab with a residential experience on the coast of Maine. One publication ranking marine programs placed us in the top three nationally.

College of Natural Sciences, Forestry, and Agriculture

Program Description

The University of Maine's marine science curriculum is designed to provide students with a fundamental understanding of the world's oceans and marine organisms. Marine science is a rich and diverse discipline that emphasizes an interdisciplinary approach including elements of biology, chemistry, physics, geology, oceanography, mathematics and other sciences. Within the marine science degree, students can select the basic degree with no concentration, or they can choose from one of three specialized concentrations: aquaculture, marine biology or physical science. All four options have a common core, allowing students to wait until their sophomore year before choosing an option.

Specialized Information

We have a state-of-the-art marine laboratory, the Darling Marine Center, where our students can spend a semester living and taking hands-on lab and field courses on the Maine coast as part of Semester by the Sea.

Students are assigned a faculty member as an academic adviser, who works closely with them to choose courses consistent with their interests and ultimate career goals.

Associated Honor Societies and Student Organizations

Students are encouraged to join the Marine Science Undergraduate Club and SCUBA Club. They also have opportunities to participate in such travel experiences as Coral Reef Ecology, travels to Belize or Bonaire on spring break, and studying abroad in Australia, Hawaii and New Zealand. Our students also have received credit for traveling for a semester on a schooner or ocean liner as part of other academic programs.

NEBHE Program

Applicants to this program who reside in Connecticut, Massachusetts or Vermont are eligible for reduced tuition (in-state plus 50 percent) under the New England Regional Student Program, administered through the New England Board of Higher Education (nebhe.org).

Career and Graduate Opportunities

Our undergraduates have gone on to medical school, veterinary school and graduate school for education, marine biology, oceanography, fisheries, aquaculture and meteorology. Our graduates also have been employed by state and federal agencies and environmental consulting firms.

Representative Courses

SMS 100 Introduction to Ocean Science
SMS 108 Beaches and Coasts
SMS 201 Biology of Marine Organisms
SMS 203 Integrative Marine Science I (IMS I) Seminar
SMS 204 IMS II: Chemistry and Physics
SMS 302 Oceanography
SMS 230 Marine Policy

SMS 303 IMS III: Oceanography
SMS 304 IMS IV: Comparative Physiology,
Cellular and Molecular Biology
SMS 400 Capstone Experience in Marine Science
SMS 402 Oceans and Climate Change
SMS 404 Senior Capstone Seminar

UMaine Graduate Programs

Master of Science in Marine Biology
Master of Science in Oceanography
Master of Science in Marine Policy
Master of Science in Marine Policy/Marine Biology dual degree
Master of Science in Marine Policy/Oceanography dual degree
Doctor of Philosophy in Marine Biology
Doctor of Philosophy in Oceanography

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. UMaine is the Department of Energy's lead institution for research in offshore wind as part of the DeepCwind Consortium of research and educational institutions, corporations and nonprofits that are examining the engineering, environmental and human issues surrounding power generation from offshore wind in deep water (>100m). For more information about UMaine, go online (umaine.edu). Equal opportunity information also is available online (umaine.edu/eo).

How do I apply?

Visit 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). This fact sheet is intended for informational purposes only and is subject to change.

