A top-tier education. Every great scientific discovery begins with a propensity to deep dive into your subject matter.

Overview

UMass Dartmouth’s School for Marine Science & Technology (SMAST) is a premier educational and research program located in the heart of New Bedford, MA, the nation’s #1 fishing port. SMAST offers a wide array of choices for advanced degrees in marine science, with emphasis in ocean sciences, fisheries sciences, ocean technology, marine resource economics, and marine policy.

Overview of Skills Developed

Students work independently and alongside SMAST faculty and scientists at some of the most highly regarded oceanographic institutions. Leading-edge research projects may include, but are not limited to, the following:

- Biogeochemical Cycling
- Coastal Ecosystem Dynamics and Restoration
- Fisheries Science and Management
- Marine Renewable Energy
- Marine Environmental Science
- Ocean Computational Modeling

Departments

As a student, your studies will be concentrated within one of the two departments:

Department of Estuarine and Ocean Sciences places high priority on the development of innovative approaches and technologies for observing ocean properties and processes.

Department of Fisheries Oceanography delivers quality education and conducts cutting-edge research in the interdisciplinary sciences related to the interactions between marine organisms and the marine environment.

Degree Options

MS in Marine Science and Technology

- Choose either a thesis or non-thesis option
- Thesis option requires a minimum of 30 credit hours
- Non-thesis option requires 33 credit hours

Professional Science MS in Coastal and Ocean Administration, Science and Technology (COAST-PSM)

- Two-year program for students who wish to pursue a non-thesis degree that focuses on marine science along with additional coursework in management, policy, or law
- Flexibility in coursework and course structure, including online courses
- Internship required during the final summer of program
- Paid stipends are available, and post-graduate employment in marine-related fields may be arranged

PhD in Marine Science and Technology

- Includes four core courses (biological, chemical, physical, and marine policy) taken by all students
- Concentrations include a minimum of 24 credit hours of courses, including electives and seminars
- A minimum of 18 credit hours must be applied toward thesis research
- Overall grade point average of 3.0 is required

Funding

UMass Dartmouth has several financial programs to assist degree-seeking, matriculated graduate students with the cost of advanced studies. Please contact your potential faculty advisor for assistance and make an effort to seek funding before applying.
Application Requirements

Successful applicants will have met the following criteria:

- An undergraduate or graduate degree with a GPA of 3.0 or higher
- An undergraduate major in one of the basic scientific disciplines or engineering, or strong multidisciplinary training
- At least six semesters of coursework in the natural sciences, generally to include biology, chemistry, and/or physics
- Preparation in mathematics through integral calculus is strongly encouraged

Student Achievements & Recognition

- SMAST alums have successful careers in research, teaching, and project management in academia, private industry, and governmental agencies.
- Several of our students have received best presentation, poster, and paper awards at national and international conferences and meetings (including the American Fisheries Society and International Conference on Environmental Systems).
- Many of our students are recipients of prestigious fellowships and awards, including the NOAA Sea Grant Joint Fellowship in Population and Ecosystem Dynamics and Marine Resource Economics

Apply

For complete details about our programs, or to apply online, please visit www.umassd.edu/smast.

Contact Us

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