Dive Into Science at AU

American University’s College of Arts and Sciences offers degrees in environmental studies, biology, chemistry, marine biology, physics, and many others.

Students have an opportunity to:
- Intern at premier scientific institutions
- Learn from leading experts in the field
- Conduct research in campus labs
- Experience Washington, D.C.

Learn more at american.edu/cas.

The Ocean Engineering Experience (OEX) is an annual program for students entering 11th or 12th grade. Students travel from across the country and spend a week living, studying, and problem-solving on the MIT campus, under the guidance of MIT staff and students. The participants must use creativity and teamwork (along with a bit of elbow grease) to solve a real-world problem pulled from the field of Ocean Engineering. At the end of the week, our engineers-in-training demonstrate their solution at a presentation for the MIT community and general public.

Are you ready for the Experience?

Partial tuition scholarships are available. For more information about OEX, go to: theoceanengineeringexperience.mit.edu

Applications due in April.
Program starts in July.
Mark your calendar for next year.
The University of Southern California runs a fully equipped research facility off the coast of Los Angeles on Catalina Island, a setting that could part of your academic career at USC. The USC Wrigley Marine Science Center is located on a protected marine reserve, and has a full-service waterfront that supports snorkeling, scientific diving and the use of a fleet of small boats. Travel to Catalina Island for the day or spend the semester with us!

Come to USC and start an academic career in marine science on the shores of the Pacific Ocean.

http://wrigley.usc.edu

Connecting People to Coastal Sciences and Research . . .

www.usm.edu/gcrl
Get Involved at IMCS!

At the Institute of Marine and Coastal Sciences (IMCS) at Rutgers, The State University of New Jersey, you’ll be part of a world-class oceanographic research institute dedicated to discovering and communicating exciting and critical science about our planet.

Students can:
- Study at a variety of field stations
- Participate in hands-on research and paid research internships
- Learn from leading experts in marine science and oceanography

The Institute of Marine and Coastal Sciences:
- Has a variety of interdisciplinary initiatives underway in undersea science and technology; ocean modeling; observation, prediction and analysis’ environmental biophysics and molecular biology; ecosystem dynamics; and protected area management
- Supports a dynamic Coastal Ocean Observing System that employs innovative applications of ocean technology, such as autonomous undersea vehicles
- Manages the Jacques Cousteau National Estuarine Research Reserve (JC NERR) and is a leader in science education

Explore more at marine.rutgers.edu

Rutgers
Institute of Marine and Coastal Sciences

Scripps Institution of Oceanography
Dive into Science!

scrippseducation.ucsd.edu
Opportunities for undergraduates and graduate studies
NOAA’s only Cooperative Institute in the Great Lakes

The Cooperative Institute for Limnology and Ecosystems Research (CILER), a Center of Excellence housed at the University of Michigan’s School of Natural Resources and Environment, serves as a focal point for inland freshwater research collaborations between NOAA and Great Lakes universities. CILER is also known for its Summer Fellowship program that trains undergraduate and graduate students in groundbreaking Great Lakes observing system, forecasting, and invasive species research.

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Countless miles of coastline stretch around the world. We’re studying ours to preserve them all.

ECU is preserving coastal resources through the following offices and departments.

- Institute for Coastal Science & Policy
- Maritime Studies
- Renaissance Computing Institute@ECU
- Center for Sustainable Tourism
- Center for Natural Hazards Research
- Department of Anthropology
- Department of Biology
- Department of Geography
- Department of Geological Sciences
- Department of Recreation & Leisure Studies
- Department of Sociology

East Carolina University’s proximity to the Albemarle-Pamlico estuarine system and the famed Outer Banks attracts the best and brightest minds to the university, where they study conservation and development strategies and work together to respond to natural and man-made disasters around the world. ECU has made an unparalleled commitment to studying coastal resources. Seventy-five scientists and faculty in a wide variety of disciplines—working in labs, in classrooms, and aboard a fleet of research vessels—are doing the work it takes to confront the complex natural, physical, and social challenges that affect coastal ecosystems.

It is a global challenge that is always close to home.

www.ecu.edu
Science in the real world

Congratulations to all the teams competing in the National Ocean Sciences Bowl finals!

The School of Ocean and Earth Science and Technology (SOEST) at the University of Hawai’i at Mānoa congratulates all the teams that are competing in the 2011 National Ocean Sciences Bowl finals, and wishes good luck to the winners of the Aloha Bowl, Punahou School.

SOEST is a multidisciplinary school within the University of Hawai’i, consisting of a variety of research institutes, academic departments, and other units conducting research and teaching about Earth and other planets. For more information about the programs available at SOEST, please contact Leona Anthony, Director of Student Services, at 808-956-8763 or leonna@hawaii.edu.

Virginia Institute of Marine Science
Gloucester Point, Virginia
www.vims.edu

The Virginia Institute of Marine Science has a three-part mission of research, education and advisory service. VIMS conducts interdisciplinary research in coastal ocean and estuarine science; educates students and citizens; and provides advisory service to policy makers, industry, and the public. A video provides an overview of VIMS activities: www.vims.edu/about/index.php.

William and Mary’s School of Marine Science (SMS) at VIMS offers higher degrees (M.S. and Ph.D.) in marine science. Academics and application are paired through a comprehensive program of marine science and marine resource management, plus close interaction with faculty actively involved in research and management issues.

SMS/VIMS also partners with William & Mary’s Arts & Sciences to offer a minor in marine science.

For more information on the Marine Science Minor, visit: www.wm.edu/as/marinescience/

Department of Ocean, Earth & Atmospheric Sciences
Old Dominion University
Norfolk, Virginia

ODU’s Department of Ocean, Earth and Atmospheric Sciences (OEAS) has a mission to acquire and disseminate knowledge of the earth system, including the relationships among the biological, chemical, geological and physical components of our planet. OEAS advances marine sciences through observation, experimentation and modeling, and provides educational and research opportunities for graduate and undergraduate students. Through discovery and active learning, ODU prepares students for careers across public and private sectors.

The Department has established an expertise in ocean margin processes, coastal system processes and coupled quantitative models. OEAS has a diverse faculty with broad-ranging interests, and offers a bachelor of Sciences degree in Geology, Master of Sciences degrees in Geology and Oceanography, and a Doctor of Philosophy in Oceanography.

For more information, visit: http://web.odu.edu/; www.odu.edu/sci/oceanography/

Geology and Geophysics
The Department of Geology and Geophysics offers programs of research and study leading to either a BA in Geology or BS in Geology and Geophysics. www.soest.hawaii.edu/GG

Meteorology
The BS in Meteorology is designed to prepare a graduate for professional employment as a meteorologist and to meet the requirements specified by the federal meteorological agencies. www.soest.hawaii.edu/MET

Oceanography
The BS degree program in Global Environmental Science is a holistic, scientific approach to the study of the Earth and its physical, chemical, biological, and human systems. www.soest.hawaii.edu/oceanography
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Geology and Geophysics
The Department of Geology and Geophysics offers programs of research and study leading to either a BA in Geology or BS in Geology and Geophysics.

Meteorology
The BS in Meteorology is designed to prepare a graduate for professional employment as a meteorologist and to meet the requirements specified by the federal meteorological agencies.

Oceanography
The BS degree program in Global Environmental Science is a holistic, scientific approach to the study of the Earth and its physical, chemical, biological, and human systems.

Located in beautiful St. Petersburg, FL
Close-knit scientific community with the support of a large research university, USF.
Offers MS and PhD programs
Areas of Study include:
  • Biological Oceanography
  • Chemical Oceanography
  • Physical Oceanography
  • Geological Oceanography
  • Marine Resource Assessment (new!)
Please visit www.marine.usf.edu for more info!

College of Marine Science

USF
University of South Florida

Oregon State University is the proud host of the Salmon Bowl. This regional competition draws high schools students from across the great state of Oregon and surrounding areas to compete against each other using their knowledge of marine science.

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The UW College of the Environment focuses the University’s unrivaled diversity and strength in environmental disciplines, creating the largest science-based, environmental academic organization in the world. It is part of the commitment and responsibility we feel for the health of the natural ecosystems of the Pacific Northwest and the world.

www.coenv.washington.edu

UNDERGRADUATE DEGREES OFFERED:
• B.S., Aquatic & Fishery Sciences
• B.S., Atmospheric Sciences
• B.A., Environmental Studies
• B.S., Forest Resources (Env. Science & Resource Mgmt.)
• B.S., Forest Resources (Bioresource Science & Engineering)
• B.S., Oceanography
• B.S., Earth & Space Sciences
• Minors in Restoration Ecology and Climate Change

GRADUATE DEGREES OFFERED:
• Master of Marine Affairs, Master of Environmental Horticulture, Master of Forest Resources (Forest Management)
• M.S. and PhD degrees in Aquatic and Fishery Sciences, Atmospheric Sciences, Earth & Space Sciences, Forest Resources, and Oceanography

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U.S. Department of the Interior
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