

Ocean Sciences M.S., Ph.D.

What can first-year students expect in the Ocean Sciences Graduate Program?

First year students are required to complete four core courses in Physical Oceanography, Marine Geology, Chemical Oceanography, and Biological Oceanography. A minimum of three elective courses must be taken to provide depth in the chosen area of emphasis. These courses are chosen in consultation with the student's adviser and department graduate advising committee.

What type of support do first-year graduate students in your program receive?

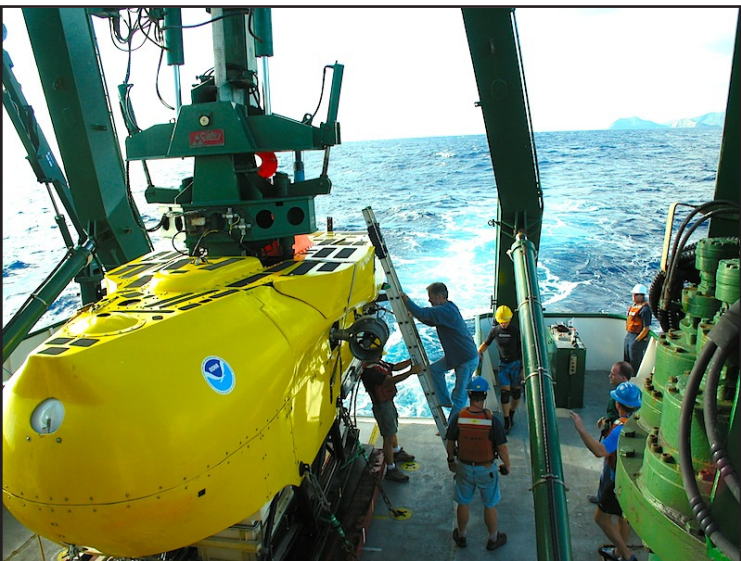
The Ocean Sciences department supports graduate students with fellowships, research assistantships (generally associated with competitive grants secured by faculty, researchers, and students), and teaching assistantships (during which graduate students collaborate with faculty and lecturers to run courses, discussion sections, and/or labs). The department may also nominate students for the Cota-Robles Fellowship upon admission to the program.

When are graduate applications due for your program?

January 15th

Who can I contact for more information?

Rondi Robison, Graduate Student Adviser
(831) 459-2563, rrobison@ucsc.edu



Entering Pisces V Submersible: This manned submersible is capable of operating at 2000 m (6,280 ft) allowing scientists to reach depths beyond those attainable by scuba divers. Using Pisces V and her sister Pisces IV, scientists have discovered a World War II Japanese midget submarine outside of Pearl Harbor, seven new species of bamboo coral, and giant sponges named the "cauldron sponge." Photo credit: S.J. Fallon.

Ocean Sciences Faculty

Claudie Beaulieu: Statistical analysis of the climate sciences, oceanography and ecosystems.

Margaret L. (Peggy) Delaney: Paleoceanography, marine geochemistry.

Christopher A. Edwards: Physical oceanography, numeric modeling of coastal and basin-scale dynamics.

Jerome Fiechter: Physical and biological oceanography, dynamics of coastal marine ecosystems, and numerical modeling.

Raphael M. Kudela: Ecological modeling and remote sensing, satellite oceanography, phytoplankton ecology and harmful algal blooms.

Matthew D. McCarthy: Organic geochemistry, marine organic geochemistry, global biogeochemical cycles. Particularly use of amino acids and other nitrogen-containing biomarkers to study open ocean and hydrothermal sea floor ecosystems and biogeochemical cycles.

Phoebe Lam: Particle geochemistry, biological carbon pump, cycling of trace elements and isotopes, chemical oceanography

Carl Lamborg: Trace metal (esp. mercury) biogeochemistry, historical reconstructions of environmental chemistry using natural archives, aquatic chemistry.

Andrew M. Moore: Ocean dynamics, numerical modeling and data assimilation, coastal oceanography, tropical air-sea interaction and tropical climate variability, generalized stability analysis, ocean prediction and predictability, adjoint methods in oceanography and meteorology.

A. Christina Ravelo: Stable isotope geochemistry and chemical oceanography, paleoclimatology.

Marilou Sison-Mangus: Microbial ecology, evolutionary biology, biological oceanography.

Jonathan P. Zehr: Aquatic microbial ecology, biological oceanography.



Submersible Sampling of Non-living Coral
Photo credit: HURL Submersible Program

