University of Hawai'i at Mānoa

MASTER OF SCIENCE IN OCEANOGRAPHY

GRADUATE DIVISION

Info About UH Mānoa

UH Mānoa is a land, sea, space, and sun grant research university of international standing with pioneering research and strengths in various areas. These include, but are not limited to: tropical agriculture, tropical medicine, oceanography, astronomy, linguistics, education, cancer, genetics, electrical engineering, volcanology, evolutionary biology, comparative philosophy, comparative religion, Hawaiian studies, Pacific Islands & Asian area studies, and Asian and Pacific region public health. The Mānoa valley serves as a backdrop for a unique and inviting campus. It includes an authentic Japanese tea house and garden located on the East-West Center grounds, a Korean Studies center that is a replica of a Korean king's throne hall, and Ka Papa Lo'i O Kānewai, a Hawaiian cultural research and outreach program centered on the cultivation of Hawaiian taro. UH Mānoa is accredited by the Accrediting Commission for Senior Colleges and Universities of the Western Association of Schools and Colleges.

Why pursue a Master of Science in Oceanography here?

The mission of the Master of Science in Oceanography program and Department is to integrate graduate education with cutting-edge, oceanographic research from local to global scales. Our graduate students have a wealth of opportunity to learn in unique settings while taking advantage of our research vessels, modern oceanographic instrumentation, and state-of-the-art laboratories. Our students work alongside acclaimed researchers and are engaged in diverse projects that encompass the physics, geology, chemistry and biology of the ocean, from the tropics to the poles and from above the sea surface to deep within the seafloor. Although our activities span the globe, we are at home in the islands and are committed to serving and affirming the unique community and culture of Hawai'i. Our island location and engaged community empower us to address the natural processes and human activities that impact our coasts and watersheds, as well as the climate and how it is changing. We do this by exploring topics that range from microbial communities to large-scale driving forces on our ocean. Our educational programs inspire and nurture future oceanographers and environmental scientists who have strong ties to the islands.

Faculty: Research Areas & Expertise

Our expert faculty are internationally recognized in the study of processes that shape and control the modern and past ocean, with an emphasis on interdisciplinary investigations. Distinctive areas of research and expertise include: biological structure and function of diverse marine habitats and ecosystems, physical oceanographic processes, oceanic trace elements, ocean-atmosphere interactions, marine biogeochemistry, climate variability and prediction, and theoretical modeling.

For individual faculty profiles, visit:
https://www.soest.hawaii.edu/oceanography/ocn-faculty/

	ENGAGE	NAVIGATE	COMMUNICATE
	FIRST YEAR, MATRICULATION INTO PROGRAM	MIDWAY THROUGH PROGRAM	PREPARATION TO GRADUATE AND GO FORTH

ACADEMIC JOURNEY

- **MS in Oceanography:** 36 credits total including 24 credits of coursework, 6 credits of Directed Research, 6 credits of Thesis Research.

- Participate in Annual Student Symposiums
- Seminar requirement, computer requirement, and 30 days of field-and-ship time
- Additional statistics course for Biological Oceanography students
- Additional course in physical chemistry for Marine Geology & Geochemistry students
- At least one advanced biogeochemistry course for Marine Geology & Geology & Geochemistry students
- Complete full written thesis

INVOLVEMENT

- Participate in Annual Student Symposiums
- Present your work at local and national conferences.

- Apply for travel awards, scholarships and other awards
- Na Kama Kai: Oceanography Graduate Student Organization
- Community-based classes
- Professional societies
- Volunteer at local communities that support oceanographic research and sustainability

KNOWLEDGE/SKILL BUILDING

- Master foundational knowledge and research
- Adopt responsible frameworks for work
- Tutoring and college-level teaching skills

- Present your work at local and national conferences
- Apply for travel awards, scholarships and other awards
- Demonstrate written and oral ability to place scholarly work within the complex phenomena in their own subdiscipline
- Engage in responsible and ethically conducted research from our cultural location in Hawaii and the Pacific

CAREER PLANNING

- Discuss career objectives and opportunities with graduate chair, your mentor(s) and alumni

- Expand community and professional network via conferences, seminars, and workshops with visiting professors
- Regularly update curriculum vitae and develop portfolio (published work, research experience, awards received)
- Participate in job market workshops and plan for letters of recommendations
- Maintain communication with Oceanography Office to receive the latest notices of employment opportunities around the world

Links

Program Website:
https://www.soest.hawaii.edu/oceanography/graduate-program/
Contact Information for program:
ocean@soest.hawaii.edu
Funding Opportunities:
https://www.soest.hawaii.edu/oceanography/funding-financial-aid/

Recent research by graduates:
https://www.soest.hawaii.edu/oceanography/masters-theses/

Where graduates go after completing their degree:
Many graduates continue to pursue Ph.D degrees at other institutions

Career options with this degree:

- State and Federal government
- Educational Program Administrator/Coordinator
- Private Oceanographic Industry
- Magazine and Book Publishing
- Legal Firms
- Environmental Societies