Our Graduates

SOEST graduates are expected to become knowledgeable in their chosen area of study. The learning outcomes for all undergraduates include:

- Defining and explaining the basic principles and concepts of science and how science meets and sustains human needs.
- Utilizing the scientific method to define, critically analyze, and solve a problem in the natural sciences.
- Ability to clearly, concisely, and ethically, express knowledge in both oral presentations and written reports.

Graduates from SOEST have gone on to work in many fascinating professions including seagoing technicians, weather forecasters, geologists, marine scientists, environmental consultants, educators, environmental lawyers and policy makers. While many undergraduates may have similar interests and intentions to have careers working with the environment, a vast number of students have utilized their knowledge within our programs to further expand their employment and educational horizons. Some of these students have become medical doctors, educators in other fields, business managers, government officials, and entrepreneurs.

Where have some of our Alumni gone?

Genki Kino (BS'12), Forecaster, National Weather Service, Missoula, MT
Natalie Kwa (BS'12), Environmental Scientist, URS Corporation, Honolulu
Michael Iwashita (BS'10), Meteorologist and officer in U.S. Air Force, Germany
David Gandy (BS'10), Geologist, Yogi-Kwong Engineers, Honolulu
Elinor Lutu-McMoore (BS'10), Meteorology Technician, NWS, Pago Pago, American Samoa
Tracy Saguibo (BS'08), Geologist, AECOM, Honolulu
Jeremy Kimura (BS'03), Geologist, Commission on Water Resources, Honolulu
Masako Sugimoto Robb (BS'00), Software applications support specialist, Tokyo, Japan
Raymond Tanabe (BS'97), Meteorologist-in-Charge, NWS, Honolulu

Visit us

We are located on the University of Hawai'i at Mānoa campus on the island of O'ahu. The SOEST Complex includes the Pacific Ocean Science and Technology (POST) building, Marine Science Building (MSB), and the Hawaii Institute of Geophysics (HIG) building. You can also visit us on our website at www.soest.hawaii.edu

Contact us

Atmospheric Sciences
www.soest.hawaii.edu/MET/
808-956-8775
metdept@hawaii.edu

Geology & Geophysics
www.soest.hawaii.edu/GG/
808-956-7640
gg-dept@soest.hawaii.edu

Global Environmental Science
www.soest.hawaii.edu/oceanography/
808-956-7633
ocean@soest.hawaii.edu

SOEST Student Services
www.soest.hawaii.edu/soest_web/soest.academics.htm
808-956-8763
leonaa@hawaii.edu

SCHOOL OF OCEAN AND EARTH SCIENCE AND TECHNOLOGY
UNIVERSITY OF HAWAI'I AT MĀNOA

The University of Hawai'i is an equal opportunity, affirmative action institution.
Undergraduate Degree Program Guide

The School of Ocean and Earth Science and Technology (SOEST) at the University of Hawai‘i is one of the 10 largest earth science institutes in the world. We have hundreds of world class scientists, students and staff all working to improve our understanding of Earth and other planets.

The geographical location of the Hawaiian Islands offers an ideal living laboratory to learn about Earth’s natural environment. SOEST offers an array of opportunities to discover and study planets, volcanoes, beach erosion, reefs, marine geology, fisheries, earthquakes, tsunamis, atmospheric sciences, and a variety of other environmental science issues and phenomena.

Education and research in SOEST not only satisfies and feeds our curiosity of how the natural world functions, but it directly impacts how we conduct our daily lives, including:

- Effects of human activities on Earth
- Natural resources such as fresh water
- Hazards such as landslides, beach erosion, hurricanes
- Impacts of climate change on the ocean, island ecosystems, and human communities
- Ideal locations to build communities or purchase a house

SOEST offers the following four undergraduate degrees:

- Bachelor of Arts in Geology
- Bachelor of Science in Atmospheric Sciences
- Bachelor of Science in Geology & Geophysics
- Bachelor of Science in Global Environmental Science

Academic Journey

SOEST offers a Mandatory Orientation Session for new students who are entering in our program in the fall semester. This session consists of:

- A day-long workshop scheduled on the last Friday prior to the start of classes.
- Includes student ambassadors, student volunteers, and faculty advisors.

Students are required to meet with their advisor at least once per semester until they graduate. This is to:

- Ensure that students remain on track.
- Discuss upcoming opportunities and possible challenges.
- Provide guidance and mentoring with career prospects and internships.

SOEST advisors provide course planning for each semester in order to reach a timely graduation.

Services and Support

SOEST is dedicated to providing a successful academic experience for every student. We provide:

- Free tutoring
- Maile Mentoring Program: supporting native Hawaiian and other underrepresented ethnic minorities in the ocean, earth and environmental sciences through unique mentoring relationships that offer encouragement and the sharing of knowledge.
- ACE Program: Access to College Excellence is a program for incoming freshmen in which a cohort takes all of their first classes together to establish intellectual and social bonds.
- Each department has its own common area for undergraduates equipped with computers, printers, couches, and furniture for meetings.

Opportunities

- SOEST Club
- Geology Club
- American Meteorological Society Aloha Chapter
- SOEST Student Ambassador program
- Research
- Senior thesis
- Internships
- Student Employment
- Scholarships

Admission Requirements

Please see admission requirements at manoa.hawaii.edu/admissions/

Application Deadlines

Application Deadlines for freshmen, transfers, and international students:

- Fall Semesters: January 5 (Priority) March 1 (Final)
- Spring Semesters: September 1 (Priority) October 1 (Final)

Admission Recommendations for:

Freshmen

- Take as many math and science courses as you can while still in school.
- Meet with an advisor before registering for courses.
- Communication is essential; writing courses and speech courses are recommended.
- Social sciences courses provide guiding principles on how to live and work with others.
- Learn how to study.
- Look for opportunities to develop leadership skills.

Transfers

- In addition to the above recommendations for Freshmen, the following are recommended:
- Develop a keen understanding of math and sciences courses to enhance your chances of successfully completing your degree.
- Gain a solid foundation in math and supporting science courses with grades that demonstrate your understanding.