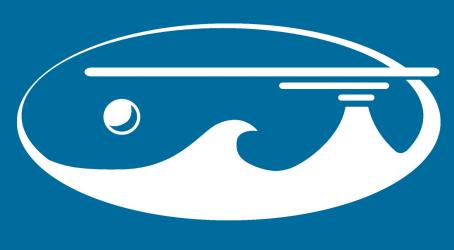
## SOEST Undergraduate Majors @ UH Mānoa



SCHOOL OF OCEAN AND EARTH **SCIENCE AND TECHNOLOGY** 

**DEGREE** 

WHAT IS IT?

WHAT WILL I STUDY?

WHAT ARE THE INTRO COURSES I WILL TAKE?

**POSSIBLE CAREER PATHS?** 

**DEPARTMENT WEBSITE** 

**ATMOSPHERIC SCIENCES** B.S.

The study of phenomena in the Earth's atmosphere, including both weather and climate

Fundamentals of mathematics, physics, and chemistry, leading to upper division atmospheric sciences topics such as tropical meteorology, aeronomy, applied dynamics, and climatology

ATMO 101L, ATMO 200, scientific programming Calculus I, II III, & IV General Physics I & II + labs General Chemistry I & II + labs

National Weather Service, Climate Scientist, Renewable Energy, Aviation, Data Scientist, Insurance, Agriculture and Forestry, Corporate Advisor

**ENVIRONMENTAL EARTH SCIENCE** B.A.

The study of environmental Earth science and Earth's surface processes geared toward students who plan to enter the environmental and geotechnical fields

Fundamentals of mathematics, physics, and chemistry, leading to a combination of upper division environmental geoscience topics such as hydrogeology, geospatial information systems, and environmental geochemistry

ERTH 101+L, ERTH 200

Calculus I College Physics I & II + labs General Chemistry I & II + labs

Field Technician, K-12 Educator, Park Ranger, Environmental Consultant, Hydrologist

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**EARTH SCIENCES** B.S.

The study of the exterior and interior of the Earth and other planetary bodies, geared toward students interested in graduate studies or employment in the geosciences

Fundamentals of mathematics, physics, and chemistry, leading up to upper division geoscience topics, such as mineralogy, Earth structure, geochemistry, geophysics, and field methods

> ERTH 101+L, ERTH 200, scientific programming Calculus I & II

General Physics I & II + labs General Chemistry I & II + labs

Volcanologist, Coastal Geologist, Hydrologist, Planetary Scientist, Geochemist, Geophysicist

> soest.hawaii.edu/earth sciences/

**GLOBAL ENVIRONMENTAL SCIENCE** B.S.

The integrated study of environmental- and sustainabilityrelated issues through Earth-system science with an oceanography foundation

Fundamentals of mathematics, physics, chemistry, and biology, leading to upper division environmental science topics, and a faculty-mentored, student-led thesis research project

OCN 102, OCN 201+L, ATMO 200, ERTH 101+L, scientific programming

Calculus I & II + 1 additional math

General Physics I + lab

General Chemistry I & II + labs

Intro to Biology I & II + labs

Oceanographer, Sustainability Science, Environmental Planning, Environmental Law, **Environmental Health Scientist** 

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soest.hawaii.edu/atmo/