

SOEST Undergraduate Majors @ UH Mānoa



SCHOOL OF OCEAN AND EARTH SCIENCE AND TECHNOLOGY

DEGREE	ATMOSPHERIC SCIENCES <i>B.S.</i>	ENVIRONMENTAL EARTH SCIENCE <i>B.A.</i>	EARTH SCIENCES <i>B.S.</i>	GLOBAL ENVIRONMENTAL SCIENCE <i>B.S.</i>
WHAT IS IT?	<i>The study of phenomena in the Earth's atmosphere, including both weather and climate</i>	<i>The study of environmental Earth science and Earth's surface processes geared toward students who plan to enter the environmental and geotechnical fields</i>	<i>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</i>	<i>The integrated study of environmental- and sustainability-related issues through Earth-system science with an oceanography foundation</i>
WHAT WILL I STUDY?	Fundamentals of mathematics, physics, and chemistry, leading to upper division atmospheric sciences topics such as tropical meteorology, aeronomy, applied dynamics, and climatology	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	Fundamentals of mathematics, physics, and chemistry, leading up to upper division geoscience topics, such as mineralogy, Earth structure, geochemistry, geophysics, and field methods	Fundamentals of mathematics, physics, chemistry, and biology, leading to upper division environmental science topics, and a faculty-mentored, student-led thesis research project
WHAT ARE THE INTRO COURSES I WILL TAKE?	ATMO 101L, ATMO 200, scientific programming Calculus I, II, III, & IV General Physics I & II + labs General Chemistry I & II + labs	ERTH 101+L, EARTH 200 Calculus I College Physics I & II + labs General Chemistry I & II + labs	ERTH 101+L, EARTH 200, scientific programming Calculus I & II General Physics I & II + labs General Chemistry I & II + labs	OCN 102, OCN 201+L, ATMO 200, EARTH 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
POSSIBLE CAREER PATHS?	National Weather Service, Climate Scientist, Renewable Energy, Aviation, Data Scientist, Insurance, Agriculture and Forestry, Corporate Advisor	Field Technician, K-12 Educator, Park Ranger, Environmental Consultant, Hydrologist	Volcanologist, Coastal Geologist, Hydrologist, Planetary Scientist, Geochemist, Geophysicist	Oceanographer, Sustainability Science, Environmental Planning, Environmental Law, Environmental Health Scientist
DEPARTMENT WEBSITE	soest.hawaii.edu/atmo/	soest.hawaii.edu/earth_sciences/	soest.hawaii.edu/earth_sciences/	soest.hawaii.edu/oceanography/ges/

Please refer to the Catalog (manoa.hawaii.edu/catalog/) and Program Sheets (manoa.hawaii.edu/ovcaa/programsheets/) for specific course numbers & more information.