# SOEST Majors @ UH Mānoa

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<td>ATMOSPHERIC SCIENCES B.S.</td>
<td>The study of phenomena in the Earth's atmosphere, including both weather and climate</td>
<td>Fundamentals of mathematics, physics, and chemistry, leading to upper division atmospheric sciences topics, such as tropical meteorology</td>
<td>ATMO 101L, ATMO 200 Scientific Programming, Calculus I, II, III, &amp; IV, PHYS 170 &amp; 272 w/ labs, CHEM 161/L &amp; CHEM 162,</td>
<td>Field Technician, K-12 Educator, Park Ranger, Environmental Consultant, Hydrologist</td>
<td>soest.hawaii.edu/atmo/</td>
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<td>ENVIRONMENTAL EARTH SCIENCE B.A.</td>
<td>The study of environmental Earth science and Earth's surface processes geared toward students who plan to enter the environmental and geotechnical fields</td>
<td>Chemistry, physics, and mathematics foundations leading up to a combination of upper division environmental geoscience topics and more applied topics such as hydrogeology, geospatial information systems, and environmental geochemistry</td>
<td>ERTH 101/L, ERTH 200, Calculus I, PHYS 151 &amp; 152 w/ labs, CHEM 161 &amp; 162 w/ labs, Field Technician, K-12 Educator, Park Ranger, Environmental Consultant, Hydrologist</td>
<td>soest.hawaii.edu/earthsciences/</td>
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<tr>
<td>EARTH SCIENCES B.S.</td>
<td>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</td>
<td>Chemistry, physics, and mathematics foundations leading up to upper division geoscience topics, such as mineralogy, Earth structure, geochemistry, geophysics, and field methods</td>
<td>ERTH 101/L, ERTH 200, Calculus I, PHYS 170 &amp; 272 w/ labs, CHEM 161 &amp; 162 w/ labs, Volcanologist, Coastal Geologist, Hydrologist, Planetary Scientist, Geochemist, Geophysicist</td>
<td>soest.hawaii.edu/earthsciences/</td>
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<td>GLOBAL ENVIRONMENTAL SCIENCE B.S.</td>
<td>The integrated study of environmental- and sustainability-related issues through Earth-system science with an oceanography foundation</td>
<td>Chemical, biological, and physical building blocks leading to upper division environmental science topics, along with a faculty-mentored research thesis requirement</td>
<td>Intro Biology I &amp; II w/ labs, OCN 102, OCN 201/L, ATMO 200, ERTH 101/L, Calc I &amp; II + 2 additional math, PHYS 170 &amp; 272 w/ labs, CHEM 161 &amp; 162 w/ labs, Oceanography, Sustainability Science, Environmental Planning, Environmental Law, Environmental Health Sciences</td>
<td>soest.hawaii.edu/oceanography/GES/</td>
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Please refer to the Catalog (manoa.hawaii.edu/catalog/) and Program Sheets (manoa.hawaii.edu/ovcaa/programsheets/) for specific course numbers & more information.