EARTH AND ENVIRONMENTAL SCIENCES MINOR

https://www.unh.edu/program/minor/earth-sciences

Description

The Department of Earth Sciences offers a minor in Earth and Environmental Sciences that provides a broad foundation and essential skills to complement other majors and prepare students to pursue a wide range of careers that require an understanding of Earth processes and management of natural resources. Students in this minor are able to choose from a broad range of courses to accommodate their specific Earth and environmental science interests.

Students interested in the Earth and Environmental Sciences minor should contact matt.davis@unh.edu for more information.

Requirements

Academic policies related to Minors.

The Earth and Environmental Sciences minor typically is completed with five ESCI courses and may include research credits supervised by an Earth Sciences faculty member.

- Courses in the Earth and Environmental Sciences minor must include both introductory and more advanced ESCI courses.
- Strongly recommended introductory courses include ESCI 401 Dynamic Earth or ESCI 409 Geology and the Environment (students may not receive credit for both ESCI 401 and ESCI 409) and ESCI 402 Earth History.
- More advanced courses must include at least one at the 600 or 700 level.
- Specific courses in the program are selected in consultation with a minor advisor in the Department of Earth Sciences, with flexibility in approved courses to accommodate interests in different aspects of the geosciences.

Approved courses for the minor in Earth and Environmental Sciences

Code	Title	Credits
ESCI 401	Dynamic Earth	4
ESCI 402	Earth History	4
ESCI 405	Global Environmental Change	4
ESCI 409	Geology and the Environment	4
ESCI 410	Earth Hazards	4
ESCI 420	Our Solar System	4
ESCI 444A	Philosophy of Earth Science	4
ESCI 501	Introduction to Oceanography	4
ESCI 502	Beaches and Coasts	4
ESCI 512	Principles of Mineralogy	4
ESCI 514	Introduction to Climate	3
ESCI 530	Geological Field Methods	4
ESCI 534	Techniques in Environmental Sciences	3
ESCI 614	Introduction to Petrology	4
ESCI 630	Earth's Crust: Formation and Deformation	4
ESCI 633	Sea Level Rise and Fall	4
ESCI 642	Biogeosciences in the Earth System	3
ESCI 654	Fate and Transport in the Environment	4
ESCI 701	Quantitative Methods in Earth Sciences	4
ESCI 705	Principles of Hydrology	4
ESCI 710	Groundwater Hydrology	4
ESCI 715	Hydrologic Data Analysis	4
ESCI 720	Ocean Measurements Lab	4
ESCI 726	Igneous and Metamorphic Petrology	4
ESCI 734	Global Geophysics	4
ESCI 741	Geochemistry	4
ESCI 745	Isotope Geochemistry	4
ESCI 747	Aqueous Geochemistry	4
ESCI 749W	Ocean Biogeochemistry	3
ESCI 752	Chemical Oceanography	3
ESCI 754	Sedimentology	4
ESCI 756	Geotectonics	3
ESCI 758	Introductory Physical Oceanography	3
ESCI 759	Geological Oceanography	4
ESCI 760	Paleoceanography	3
ESCI 762	Glacial Geology	4
ESCI 764	Spectral Analysis of Geophysical Time Series Data	4
ESCI 765	Paleoclimatology	3
ESCI 770	Geodesy for Ocean Mapping	3
ESCI 771	Positioning for Ocean Mapping	4
ESCI 777	GIS for Earth & Environmental Sciences	4
ESCI 778	Remote Sensing Earth & Environmental Sciences	4
NR 403	Introduction to Environmental Science	4
NR 501	Studio Soils	4
NR 504	Freshwater Resources	4
NR 507	Introduction to our Energy System and Sustainable Energy	4
NR 658	Introduction to Geographic Information Systems	4
GEOG 473	Elements of Weather	4
CEE 520	Environmental Pollution and Protection: A Global Context	4