

Earth Science | Bachelor of Arts • Bachelor of Science • Minors

Student-centered learning grounded in hands-on field and laboratory-based instruction constitute Southern's Earth Science program, which has a more than 50-year tradition of producing first-rate geoscientists with expertise in geology, meteorology, oceanography, astronomy, and environmental earth science.

PROGRAM FEATURES

Earth Science 7-12, B.S.

This B.S. is intended for students who are interested in becoming middle and high school earth science and general science teachers. The curriculum involves core science content in general science, geology, meteorology, oceanography, astronomy, and environmental earth science, as well as content related specifically to the teaching professions.

Earth Science, B.A.

This B.A. provides a broad-based background in the fundamentals of earth sciences. It offers maximum flexibility in course selection to enhance inter-disciplinary study and makes a double major easily accessible to students in related fields.

Earth Science, B.S. – Concentration: Environmental

This concentration prepares students for careers in the environmental and geotechnical fields and graduate-level study in the earth and environmental sciences. In addition to a foundational courses in geology, meteorology, oceanography and physical science, the program includes additional coursework in the life sciences and public health.

Earth Science, B.S. – Concentration: General

This concentration is for students who wish to pursue a rigorous scientific curricula and have broad interests in the earth sciences including geology, meteorology, oceanography, and astronomy.

Earth Science, B.S. – Concentration: Geology

This concentration prepares students for careers in geotechnical industries (energy, mining, agriculture, engineering, governmental agencies) and graduate-level study in geology and other related fields.

Earth Science, B.S. – Concentration: Natural Hazards

Students are provided with a fundamental background in the underlying science of natural hazards (hurricanes, tornadoes, floods, drought, earthquakes tsunamis, landslides, volcanic eruptions, asteroid impacts, wild fires, and climate change), along with electives in Public Health and Forensics that address elements of the human consequences and response to these natural disasters.

Earth Science, B.S. – Concentration: Natural Resources

This concentration is designed for students who are interested in the study of soil, water, weather/climate, watersheds, and mineral and energy

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ACADEMIC SCIENCE
AND LABORATORY
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resources that are frequently linked to agriculture/horticulture, forestry, ecology, and wildlife management. Students are also awarded a biology minor as an integral part of the Earth Science degree program.

Minor in Earth Science

This flexible minor is designed for students who desire a basic knowledge of earth science to support cross-disciplinary study and practice with their major field.

Minor in Natural Resources

This minor is intended for students with career interests in the exploration, management, and conservation of Earth's natural resources including minerals, energy, water and soils.

For more information on program requirements, visit Catalog.SouthernCT.edu/undergraduate

CAREER OPPORTUNITIES

Talented earth scientists are in high demand and job prospects are expected to grow significantly in the future. Demand is driven by societies continued need for energy and natural materials, environmental protection, natural-hazard mitigation, and responsible stewardship of land and natural resources. Career opportunities cross a broad spectrum of private sector industries, non-profit organizations, government agencies, and academia:

- Geotechnical Engineering
- Environmental Science
- Mining and Mineral Resource Exploration
- Natural Resource Development, Management, and Planning Environmental Law and Policy
- Natural Hazard Assessment and Mitigation
- Fundamental Scientific Research in Geology and Earth Sciences Astronomy and Planetary Science
- Oceanography and Marine Science
- Meteorology
- Paleontology
- Hydrology and Water Resource Management
- Science Education (K-12 and College)
- Graduate Studies

FOR MORE INFORMATION

Undergraduate Admissions Office
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Admissions@SouthernCT.edu

SouthernCT.edu/admissions/undergraduate



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