EARTH SCIENCES

Bachelor of Science

Central to Exploring the Planet.

Central's BS in Earth Sciences prepares students for careers in the earth and space sciences, including private industry, government, and science education. The BSEd program, designed by our science education faculty, prepares students to teach earth science at the secondary education level.

Programs all have a common core of foundational introductory courses with five specialization options with varied upper-level elective courses selected to develop skills relevant to diverse career paths within the earth and space sciences. Central also offers minors in Astrobiology, Astronomy, Earth Science, and Geology.

DID YOU KNOW?

Over the last 10 years, two-thirds of our graduates have found employment with local or national firms in the geological and environmental industries or are teaching in local schools. One-third of our graduates were successful in obtaining fully funded positions (tuition remission and stipend) in graduate programs at institutions across the country.

Program Features

- Flexible programs allow students to select options from broad array of elective courses and minors that best match their career objectives
- Coursework includes hands-on experience with current techniques, both in the field and in the lab, including multiple opportunities to develop skills with instrumentation and digital technologies commonly used in industry
- Students encouraged to complete independent research projects while working one-on-one with a faculty advisor, and to present their results at a regional or national professional conference
- Active student community and accessible faculty provide a supportive and inclusive learning environment
- Campus location provides easy access to a diversity of locales of geologic interest, and opportunities for a wide variety of student field trips
- Multiple networking opportunities through events with local professional organizations such as the Geological Society of Connecticut and the Environmental Professionals of Connecticut
- Financial aid and scholarships available
- Free on-campus child care

CENTRAL CONNECTICUT STATE UNIVERSITY

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Program Options

Geology specializations prepare students for careers as professional earth scientists and for graduate-level studies in the earth and planetary sciences.

- **Environmental Geology** helps students develop skills for careers in government agencies (e.g. environmental protection), soil and water science, and environmental industries.
- **Geology** students prepare for careers as professional geologists with government agencies (e.g. geological surveys), and the geotechnical, mining, and energy industries.
- **Planetary Geology** equips students with knowledge and understanding for careers with government agencies (e.g. NASA) and in remote sensing and satellite image analysis.

Earth Sciences specializations prepare students for careers such as public policy, resource management, science communication, or museum/planetarium management.

- **Environmental Earth Sciences**, including interdisciplinary electives across the environmental sciences, helps students develop skills for careers in public policy, environmental law, or resource management
- **General Earth Sciences** equips students for careers in science communication or museum/planetarium management.

Minors in Astrobiology, Astronomy, Earth Science, and Geology include required introductory courses and upper-level elective options and pair well with majors in science and engineering disciplines.

Clubs

Geology & Planetary Science Club provides volunteer opportunities with local gem and mineral shows, club-funded activities with the Geological Society of Connecticut, and a yearly club-funded trip to the Northeast Regional Meeting of the Geological Society of America

Theta Zeta chapter of Sigma Gamma Epsilon (the National Earth Sciences Honor Society) recognizes scholarship and professionalism in Earth Sciences. Students wishing to join must meet the organizations scholastic, scientific, and professional advancement objectives.

Career Outlook

An Earth Science degree can lead to multiple career paths across multiple sectors (nonprofit, academic, government, and industry) including environmental consulting, research science, data analysis, science writing and illustration, public policy and law, museum and planetarium curation, and education.

Source: americangeosciences.org/workforce/workforce-infographic

The U.S. Bureau of Labor Statistics projects continued growth in the geoscience industry, particularly in sectors related to energy, environmental protection, and resource management.

Source: bls.gov/ooh/life-physical-and-social-science/geoscientists

Students in the Earth Sciences report a high level of satisfaction with their majors and career options.

Source: forbes.com/sites/trevornace/2015/12/18/geology-students-happiest-college-campus-study

PROGRAM WEBSITE

ABOUT CENTRAL:
Central Connecticut State University is the largest university within the Connecticut State Colleges and Universities system. Founded in 1849, Central is also the state's oldest publicly funded university. Our campus is located in New Britain, Connecticut. Central is accredited by the New England Commission of Higher Education (NECHE).