

# Earth and Environmental Science

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Earth and Environmental Sciences is an interdisciplinary department that explores environmental systems and environmental change, both natural and anthropogenic. Our overarching goal is to identify and address environmental problems. We study the history of the Earth, as well as the dynamic processes that continue to shape our planet today, recognizing that an understanding of the past is the key to managing the future. We seek to understand geographic patterns and processes in the geosphere, hydrosphere, biosphere, and atmosphere - as related to geographic patterns amongst human populations. Our program covers a broad array of topics from climate change and geochemistry to ecology/biogeography and natural hazards. We integrate fieldwork and laboratory research into our curriculum with the goal of preparing our majors for a variety of career paths in geology, environmental management, environmental policy, and education.

We currently offer two Bachelor of Science degrees: one in Environmental Science and one in Geology. Our students get comprehensive training in geology, geomorphology, climatology, ecology, environmental policy, environmental ethics, environmental justice, and environmental sustainability solutions. Beyond the classroom, we endeavor to prepare our students to be innovative problem-solvers who are equipped to address future sustainability challenges and global climate change scenarios.

For majors, minors and course descriptions under this department please refer to Environmental Science (<http://catalog.callutheran.edu/archives/2020-2021/undergraduate/coursesofinstruction/environmentalscience/>), Environmental Studies (<http://catalog.callutheran.edu/archives/2020-2021/undergraduate/coursesofinstruction/environmentalstudiesminor/>) and Geology (<http://catalog.callutheran.edu/archives/2020-2021/undergraduate/coursesofinstruction/geology/>)