

# GLOBAL ENVIRONMENTAL SYSTEMS, CERTIFICATE

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Requirements for an undergraduate certificate may be completed at any campus location offering the specified courses for the certificate.

## Career Paths

Students earning the Global Environmental Systems certificate learn a wide range of research and analytical skills that are highly valued by employers. Students trained in physical geography find jobs in all levels of government, nonprofit organizations, and in industry. This is one of several geography-related certificates that students can use to tailor their educational experience in preparation for the job market. In addition to Global Environmental Systems, the Department of Geography offers certificates in Environment and Society Geography; Geospatial Big Data Analytics; Geographic Information Systems; Human Geography; Justice, Ethics and Diversity in Space; and Landscape Ecology.

## Careers

Students earning the certificate in Global Environmental Systems are well-positioned to find employment with diverse organizations spanning business, government, and nonprofit sectors. Such organizations may include (but are not limited to): Conservation International; Federal Emergency Management Agency; NASA; National Oceanic and Atmospheric Administration; National Park Service; Natural Resources Defense Council; Resources for the Future; U.S. Army Corps of Engineers; U.S. Environmental Protection Agency; U.S. Forest Service; U.S. Geological Survey; local, regional, and state planning agencies, environmental and engineering consulting firms; policy research institutes; private corporations; and humanitarian organizations.

MORE INFORMATION ABOUT POTENTIAL CAREER OPTIONS FOR GRADUATES WITH A CERTIFICATE IN PHYSICAL GEOGRAPHY (<https://www.geog.psu.edu>)

## Opportunities for Graduate Studies

A certificate in Global Environmental Systems is useful for students who are interested in pursuing graduate degrees in the environmental and social sciences. Alumni enter graduate and professional studies in a variety of programs, including (but not limited to) geography, environmental sciences, ecology, sustainability, public policy, emergency management, planning, and law. They sometimes begin graduate or professional programs directly after finishing undergraduate studies, but often get several years' work experience before returning to school, either full or part-time.

MORE INFORMATION ABOUT OPPORTUNITIES FOR GRADUATE STUDIES (<https://www.geog.psu.edu>)

## Professional Resources

- American Association of Geographers (AAG) (<https://www.aag.org>)
- American Geophysical Union (AGU) (<https://www.agu.org/>)
- Ecological Society of America (ESA) (<https://www.esa.org>)
- American Geosciences Institute (AGI) (<https://www.americangeosciences.org>)