

# What Can I Do with a Major in...

## Geology and Environmental Science

### Possible Career Options

(some career areas require advanced education)

Aerial Photographer  
Agricultural Engineer  
Architect  
Astronomer  
Cartographer  
Chemical Laboratory Analyst  
Consultant  
Cooperative Extension Agent  
Environmental Engineer  
Environmental Sanitarian  
Geographer  
Geologist  
Geophysical Exploration Geologist  
Geophysicist Technician  
Geotechnical Engineer  
Hydrogeologist  
Industrial Hygienist  
Instrumentation Technician  
Laboratory Technician  
Landscape/Nursery Manager  
Marine Advisor  
Materials Analyst  
Meteorologist  
Mining Engineer  
Naturalist  
Oceanographer  
Park Naturalist  
Park Ranger  
Petroleum Engineer  
Petrologist  
Pollution Control Specialist  
Project Manager  
Prospector  
Sales Engineer  
Scientific Photographer  
Seismologist  
Soil Scientist, Agriculture  
Surveyor  
Teacher, Science/Math  
Technical Writer/Communicator  
Urban/Regional Planner  
Waste Disposal Specialist  
Well Logging Specialist

### Leadership/Management Skills

- Identifying principles and parameters
- Analyzing
- Applying data

### Communication/Writing Skills

- Writing factual material clearly and concisely
- Describing objects or events with a minimum of factual errors
- Comprehending written material

### Research/Analytical Skills

- Compiling and selecting information
- Perceiving and defining cause and effect relationships
- Cataloging information
- Applying information creatively to solve specific problems

### Artistic/Creative Skills

- Sensitivity to and appreciation of beauty in the environment
- Mapping
- Drafting/mechanical drawing

### Other Skills

- Using tools
- Being physically active
- The ability to look at the earth in a broad perspective
- An appreciation of time and space
- Awareness of the environment

## Print and Web Resources

### OCS Books

*100 Jobs in the Environment*

*Careers for Environmental Types and Others Who Respect the Earth*

*Careers for Nature Lovers and Other Outdoor Types*

*Great Jobs for Environmental Studies Majors*

*Outdoor Careers*

*The Complete Guide to Environmental Jobs in the 21<sup>st</sup> Century*

*The ECO Guide to Careers that Make a Difference*

### Online Career Resources

*Career Information*

[www.careercornerstone.org/geosciences/geosci.htm](http://www.careercornerstone.org/geosciences/geosci.htm)

*Occupational Outlook Handbook*

[www.stats.bls.gov/oco/ocos288.htm](http://www.stats.bls.gov/oco/ocos288.htm) (Geologist)

[www.stats.bls.gov/oco/ocos050.htm](http://www.stats.bls.gov/oco/ocos050.htm) (Environmental Scientists)

[www.stats.bls.gov/oco/ocos178.htm](http://www.stats.bls.gov/oco/ocos178.htm) (Conservation)

[www.stats.bls.gov/oco/ocos048.htm](http://www.stats.bls.gov/oco/ocos048.htm) (Foresters)

[www.stats.bls.gov/oco/ocos047.htm](http://www.stats.bls.gov/oco/ocos047.htm) (Biological Scientists)

### Internship Electronic Resources

*After College*

[www.aftercollege.com](http://www.aftercollege.com)

*Idealist and Action Without Borders*

[www.idealists.org](http://www.idealists.org)

*Local Internships*

[www.hope.edu/knowhope/internships/index.cgi](http://www.hope.edu/knowhope/internships/index.cgi)

### Employment Opportunity Electronic Resources

*Environmental Career Opportunities*

[www.ecojobs.com](http://www.ecojobs.com)

*Environmental Jobs and Careers*

[www.ecoemploy.com](http://www.ecoemploy.com)

*Spotlight on Careers*

[www.spotlightoncareers.org](http://www.spotlightoncareers.org)

*The Environmental Careers Organization*

[www.eco.org](http://www.eco.org)

**More resource links are available at the Office of Career Services website:**

[www.hope.edu/student/career](http://www.hope.edu/student/career)

## Professional Associations

**Air and Waste Management Association**

[www.awma.org](http://www.awma.org)

**American Fisheries Society**

[www.fisheries.org](http://www.fisheries.org)

**American Geological Institute**

[www.agiweb.org](http://www.agiweb.org)

**American Geophysical Union**

[www.agu.org](http://www.agu.org)

**American Institute of Hydrology**

[www.aihydro.org](http://www.aihydro.org)

**American Society of Limnology and Oceanography**

[www.aslo.org](http://www.aslo.org)

**Association of Environmental Health and Sciences**

[www.aehs.com](http://www.aehs.com)

**Ecological Society of American**

[www.esa.org](http://www.esa.org)

**Environmental Assessment Association**

[www.iami.org/EAA/home.cfm](http://www.iami.org/EAA/home.cfm)

**Environmental Protection Agency**

[www.epa.gov](http://www.epa.gov)

**Mineralogical Society of America**

[www.minsocam.org](http://www.minsocam.org)

**National Association of Environmental Management**

[www.naem.org](http://www.naem.org)

**National Association of Environmental Professionals**

[www.naep.org](http://www.naep.org)

**National Oceanic and Atmospheric Administration**

[www.noaa.gov](http://www.noaa.gov)

**National Registry of Environmental Professionals**

[www.nrep.org](http://www.nrep.org)

**Soil and Water Conservation Society**

[www.swcs.org](http://www.swcs.org)

## Hope Graduates in the Geology and Environmental Science World

---

Agricultural Statistician .....	National Agricultural Statistics Service
Agroforestry Volunteer—West Africa .....	Peace Corps
Bio Chemist .....	Universal Oil Products, Inc.
Co-Owner .....	Construction Materials Recycling
Director .....	Greenpeace
Director .....	Fowler Camp and Conference Center
Environmental Analyst .....	Booz Allen Hamilton
Environmental Project Manager .....	Onyx Environmental Services, LLC
Environmental Scientist .....	E.P.A.
Environmental Scientist .....	Herst & Associates, Inc.
Environmental Specialist .....	Tyco International
Epidemiologist .....	Wisconsin Department of Health and Family Services
Fossil Dealer .....	Fossils, Etc. International
Geologist .....	State of Michigan Department of Environmental Quality
Geophysicist .....	U.S. Geological Survey
Geoscience Specialist .....	Texaco
Hydrogeologist .....	Environmental Resources Management
Microbiologist .....	NSF International—Ann Arbor
Municipal & Urban Management Coordinator .....	United Nations' UN-HABITAT
Professor of Geography .....	University of Vermont
Professor of Geology .....	Ball State University
Ranger .....	National Parks Service
Research Chemist .....	Dow AgroScience
Research Environmental Chemist .....	U.S. Geological Survey
Research Hydrologist .....	U.S. Geological Survey
Senior Project Geologist .....	URS Corporation
Toxicologist .....	Eastman Kodak Company
Wildlife Biologist .....	State of Michigan