# Environmental Science

## University of Northern Iowa College of Humanities, Arts, and Sciences

[https://earth.uni.edu/](https://earth.uni.edu/)

### ABOUT THE MAJOR

A degree in this field focuses on areas of study and research in air quality, hydrology (the earth's water movement in relation to land), geoscience, and the overall physical environment. Students in this major gain an understanding of natural resources and the ecosystem, our planet's physical characteristics, and relationships between organisms and their environments.

### SAMPLE COURSEWORK

- General Biology: Organismal Diversity
- Intro to Geology
- Elements of Weather
- Environmental Hydrology
- Geographic Information Systems
- Environmental and Occupational Health Regulations

### POSSIBLE CAREERS

*some titles may require further education*

<table>
<thead>
<tr>
<th>Environmental Consultant</th>
<th>Groundwater Specialist</th>
<th>Mining Engineer</th>
<th>Arborist</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geologist</td>
<td>Paleontologist</td>
<td>Petroleum Geologist</td>
<td>Botanist</td>
</tr>
<tr>
<td>Geochemist</td>
<td>Oceanographer</td>
<td>Environmental Lawyer</td>
<td>Astronomer</td>
</tr>
<tr>
<td>Biologist</td>
<td>Soil Scientist</td>
<td>Agronomist</td>
<td>Seismologist</td>
</tr>
<tr>
<td>Meteorologist</td>
<td>Toxicologist</td>
<td>Marine Biologist</td>
<td>Forester</td>
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</tbody>
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### UNI GRADUATES: WHERE ARE THEY NOW?

- Terracon
- Energy and Environmental Research Center
- BP
- ION Geophysical
- The Nature Conservancy
- Chesapeake Energy
- National Park Service
- Department of Water Resources
- American Geosciences Institute
- Lunar and Planetary Institute
- Universities Space Research Association
- Lewis and Clark Museum
- Various Research Universities

### SKILLS NEEDED

- Organization
- Critical thinking
- Written skills
- Research
- Ability to work independently and collaboratively
- Ability to gather, assess, and interpret data
- Ability to read maps
- Attention to detail

### HOLLAND CODES

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