Earth Science

Typical Career Fields:

Resources (projected growth 15% - 21%) ☀
- Sedimentology
- Structural Geology
- Geophysics
- Economic Geology
- Geomorphology
- Paleontology
- Geomagnetism
- Crystallography

Minerals/Geoscientists (15% - 21%) ☀
- Mineralogy
- Geochemistry
- Economic Geology
- Stratigraphy
- Sedimentology
- Paleontology

Landscape/Geospatial (projected growth 3% - 7%)
- Environmental Geology
- Hydrology
- Geomagnetism
- Earth Surface Dynamics
- Geology Mapping

Source: O*NET

Top Ten Career Fields Chosen by ESU Earth Science Grads: (Source: Linkedin)

Where Our Grads Go (top ten):
- Burns & McDonnell
- Shawnee Mission School District
- CB&I
- Honeywell Aerospace
- Honeywell
- SAIC
- Texas Comm. On Environment
- ConocoPhillips
- Suncor Energy
- Colorado School of Mines

View a list of required courses for this major at http://www.emporia.edu/sac/list-of-majors.html.

Career Services
career@emporia.edu
www.emporia.edu/careerservices
620-341-5407
Earth / Geoscience Majors
Strategies on how to become more marketable at graduation

Possible Industries
- Government Agencies
- US and State Geological Surveys
- State Departments of Natural Resources (DNR)
- Environmental Protection Agency (EPA)
- Department of Energy
- National Oceanographic and Atmospheric Administration (NOAA)
- Environmental, geotechnical and industrial laboratories
- Educational institutions and government agencies (municipal, provincial and federal)
- Mining, petroleum, natural gas companies
- Laboratories, institutes and scientific research centers
- Energy sector, natural resources, transportation and public utilities management companies
- International aid organizations
- Parks and recreation organizations, travel and tourism agencies
- Water and waste treatment plants
- Land/resource analysis and management companies
- Mineral and Resource Exploration

Academia
- Continue education with a Masters and/or PhD
- Research and/or Teaching at college/university level

Related Major Skills
Earth Science majors need skills in the following areas: Investigation, Communication, Computation and Technical.

<table>
<thead>
<tr>
<th>Define research problems</th>
<th>Develop research proposals</th>
<th>Measure distances</th>
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<tbody>
<tr>
<td>Develop research models</td>
<td>Review scientific literature</td>
<td>Measure relationships</td>
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<tr>
<td>Field sampling</td>
<td>Establish hypothesis</td>
<td>Summarize research</td>
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<tr>
<td>Perform calculations</td>
<td>Identify materials/specimens</td>
<td>Mathematical modeling</td>
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<tr>
<td>Observe data &amp; things</td>
<td>Gather/analyze data</td>
<td>Inform, explain, instruct</td>
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<tr>
<td>Maintain records</td>
<td>Establish/control designs</td>
<td>Evaluate ideas</td>
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<tr>
<td>Prepare technical reports</td>
<td>Utilize math formulas</td>
<td>Design simulations</td>
</tr>
<tr>
<td>See relationships in factors</td>
<td>Use technical instruments</td>
<td>Draw meaningful concl.</td>
</tr>
</tbody>
</table>

Job & Internship Links
Global Energy Jobs [www.globalenergyjobs.com](http://www.globalenergyjobs.com)
Jobs in Geology and Earth Sciences [http://geology.com/jobs.htm](http://geology.com/jobs.htm)
Geoscience Research Jobs [www.earthworks-jobs.com/acad.htm](http://www.earthworks-jobs.com/acad.htm)
Oil and Gas Job Search [www.oilandgasjobsearch.com](http://www.oilandgasjobsearch.com)
GIS Jobs Clearinghouse [http://www.gic.org](http://www.gic.org)
The National Park Service [http://www.nps.gov/personnel](http://www.nps.gov/personnel)
Geo Job listings [http://www.geo.mtu.edu/geojobs/](http://www.geo.mtu.edu/geojobs/)
Geo recruiting companies [http://www.geosearch.com/](http://www.geosearch.com/)