Geosciences

A major in Geosciences provides the foundation for work in a variety of fields, focused on the understanding, exploration, and stewardship of the earth’s natural resources and systems (atmospheric, liquid, and solid). Some of the professional fields supported by Geosciences include: Climatology, Geochemistry, Geography, Geology, Environmental Geology, Geophysics, Meteorology, and Oceanography. Of course within each of these fields, there are a myriad of specializations. Geoscientists gain the skills to predict the behavior of the Earth’s physical systems, find adequate supplies of natural resources, utilize, conserve and maintain resources, and communicate this information to others.

Employment outlooks vary by specialization, and in accordance with the general economy. However, the outlook is presently excellent, as energy, mineral, and water supplies become increasingly precious, and both their availability and efficient use become ever more critical—requiring more and better information gathered by geoscientists. Some of the best opportunities will be available to hydro geologists, engineering geologists, and environmental consultants.

Some career possibilities for Geosciences majors:

- Astronomer
- Astrophysicist
- Atmospheric Scientist
- Biochemist
- Cartographer
- Chemist
- Civil Engineer
- Curator
- Economic Geologist
- Educator
- Engineering Geologist
- Environmental Geologist
- Geologist/Scientist
- GeoChemist
- Geodesist
- Geographer
- Geologist
- Geomorphologist
- Geophysicist
- Glacial Geologist
- Hydrogeologist
- Hydrologist
- Laboratory Technician
- Marine Geologist
- Metallurgical Engineer
- Metallurgist
- Meteorological Technician
- Meteorologist
- Mining Engineer
- Nuclear Engineer
- Oceanographer
- Paleocologist
- Palaeontologist
- Petroleum Engineer
- Petrologist
- Photogrammerist
- Physicist
- Planetologist
- Sedimentologist
- Seismologist
- Soil Scientist
- Stratigrapher
- Structural geologist
- Surveyor
- Technical Writer
- Vulcanologist

Possible employers of Geosciences majors:

- Colleges & Universities
- Construction Companies
- Consulting Firms
- Engineering Firms
- Environmental Consulting Firms
- Environmental Advocacy Organizations
- Local, State, Federal, & Tribal Governments
- Marketing and Research Firms
- Mining Companies
- Mining Service Companies
- Petroleum Companies
- Petroleum Service Companies
- Professional Journals & Publications
- Railroads
- Research Laboratories
- Schools
- State & Federal Departments of Natural Resources
- Water Treatment Facilities
- Water Resource Companies

Professional Organizations & Additional Information:

- American Geological Institute
  4220 King Street
  Alexandria, VA 22302-1502
  www.agiweb.org

- National Ocean Industries Association
  1120 G St, NW, Suite 900
  Washington, DC 20005
  www.noia.org

- American Meteorological Society
  45 Beacon St
  Boston, MA 02108-3693
  www.ametsoc.org

- Environmental and Engineering Geophysical Society
  1720 S Bellaire Street, Suite 110
  Denver, CO 80222-4303
  www.eegs.org

Other websites of interest:

- http://geo.fortlewis.edu/updates/p6careerslinks.html
- www.geology.com

http://online.onetcenter.org