



Elephant Rocks State Park field trip

- Like working outdoors?
- Like to travel?
- Interested in an exciting and rewarding career?

...consider a degree in **Geological Engineering** at Missouri S&T

What do Geological Engineers do?

Most high school students don't know much about GE. We apply our engineering skills to protect and preserve the environment in which we live. We also work outdoors much of the time with emphasis on geotechnical and environmental problems. We study geological hazards such as landslides, rock falls, earthquakes, dam failures and levee failures (think New Orleans). We are the people who are called in to study and clean up contaminated sites throughout the world. We help develop drinking water supplies here and in other parts of the world.



Exploring a silica mine

What kind of jobs do Geological Engineers get?

Missouri S&T's Geological Engineering graduates can expect to work for federal or state agencies or for construction, petroleum, or mining companies. Many work for consulting companies. Typical job duties might include environmental protection and remediation, groundwater supply, construction of slopes, bridges, tunnels and dams, or working with or producing natural construction materials.

Our graduates typically receive multiple job offers, and most have job offers six months before graduation. Employers can't find enough GE graduates and expect the demand to continue growing over the next five years. Jobs are available in all parts of the US, and many involve travel, including international travel.

Five years after graduation most GE grads will be in management positions and many will become entrepreneurs and start their own companies. Later in their careers, outstanding GE's that are proficient in bringing clients to their firms, may have the opportunity of becoming partners and sharing in the profits of their firm.

What do Geological Engineers learn about?

Geological engineers study the application of earth science principles to engineering solutions of critical problems such as environmental and hazardous waste issues, natural resource protection, energy sustainability and design of geo-technical infrastructure such as tunnels, excavations, dams and waste disposal sites.

Missouri S&T's Geological Engineering program offers degree emphasis areas in the following specialties:

- Environmental Protection & Hazardous Waste Management
- Groundwater Hydrology & Contaminant Transport
- Engineering Geology & Geotechnics
- Petroleum, Energy & Natural Resources
- Quarry Engineering



Groundwater testing

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