

GEOLOGIST

A geologist studies the earth's crust, minerals, rocks, precious metals and gems, and fossils.

WHAT RESPONSIBILITIES WILL I HAVE?

- Study characteristics of the earth, rock or minerals including magnetic fields and composition
- Utilize various equipment such as magnetometers, seismographs and gravimeters
- Prepare maps, charts and publications related to findings
- Plan and execute minerals program activities and tests
- Ensure the proper conservation of minerals and other earth matter
- Aid in the exploration and recovery of minerals, metals, oil, natural gas and water deposits
- May be charged with investigating geologic hazards or limitations in engineering and construction projects
- Locate water resources underground
- Remain up to date on new geological findings and technology



WHAT EDUCATION & TRAINING IS REQUIRED?

Bachelor's degree in geology, geosciences, geophysics or a related field required; Master's or Doctorate often preferred

THE FOLLOWING HIGH SCHOOL COURSES ARE RECOMMENDED...

Agricultural education, natural resources, chemistry, physics, earth science, biology, advanced mathematics

TYPICAL EMPLOYERS

Research firms, environmental businesses, government agencies and universities

FUTURE JOB MARKET/OUTLOOK



SUGGESTED PROFESSIONAL ORGANIZATIONS & ASSOCIATIONS

- The Geological Society of America
- Association of Environmental & Engineering Geologists
- American Institute of Professional Geologists

AVERAGE ANNUAL FULL-TIME SALARY

\$70,000