

What is Geophysics?

Geophysicists are scientists who study the structure and composition of the Earth. They use sophisticated instruments to measure physical properties such as:

- Velocity of sound waves transmitted through the ground
- Density, electrical resistivity and radioactivity of rocks
- Changes in the gravity and magnetic fields of the Earth

The majority of geophysical technologists are employed in the oil industry, where geophysicists work to determine the subsurface structure of the Earth for petroleum exploration. Geophysicists may also explore for mineral deposits or solve environmental problems.

Geophysics & computer technology

Geophysical technologists "push the envelope" of computer applications. Specialized computer skills and the use of complex graphics applications are part of your career. Computer technology is an integral component of geophysics.



More information

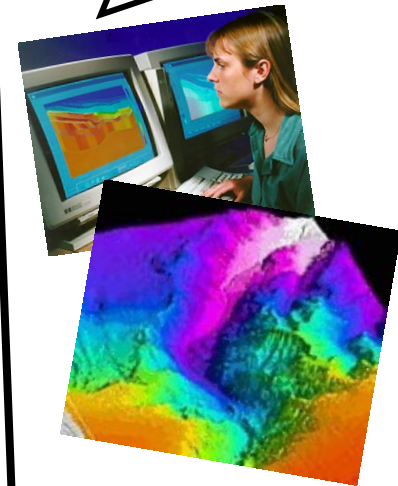
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The Calgary-based CSEG promotes fellowship and cooperation among its members. It holds monthly webcast luncheons and all members receive the monthly Recorder magazine.



What is geophysics?



Careers in Geophysical Technology

- **Petroleum Geophysics**
- **Environmental Geophysics**
- **Mining Geophysics**

► The study of the physical properties of the earth.

More info at www.cseg.ca

► What do you want in your career?

- Do you like technology and want to be at the leading edge of new advances in computer applications?
- Would you like a career in science, with lots of challenge?
- Do you want to work in an exciting fast-paced team environment where learning is on-going?
- Do you want to do work that is important to the world?

► What are you good at doing?

- Do you like working with computers?
- Are you a good communicator and a team player?
- Are you well organized and good at multi-tasking?
- Do you like to solve problems?

Then a career as a Geophysical Technologist may be waiting for you.

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What does a Geophysical Technologist do?

Geophysical Technologists perform a vital role by providing technical support to teams of Geophysicists and Geologists.



Many work in acquisition, processing or interpretation of seismic data for exploration of natural resources. They may also be involved in environmental studies, archaeo-



logical excavations, water resource management or natural disaster studies.

Technologists must have very good computer skills and can expect to use computer technology to organize and maintain geophysical files and databases, generate maps and prepare graphic presentations.



They may also act as liaison between geophysicists and data processors or data vendors.

Who hires Geophysical Technologists?

Many Geophysical Technologists work in the petroleum industry. A large number of technologists are employed by companies that acquire, process and interpret seismic data. Other employers include mining companies, universities and governments.



Education requirements?

To work as a Geophysical Technologist, you will need a 2-year Geophysical certificate or a diploma in Geophysics, Geology or Exploration Technology from an accredited post-secondary technical institution.

