



## TECHNICIANS AND TECHNOLOGISTS

Technicians provide petroleum-related technical support to technologists and other professionals in a related discipline. Technician work involves the installation, operation, servicing, monitoring, troubleshooting and fixing of equipment used in the petroleum industry.

Technologists provide technical support to, and are supervised by, their professional engineering counterparts in a particular discipline. Technologist work is highly specialized and not about broad theories. Technologists design devices and equipment, decide which equipment to use on a project, determine how to use it and supervise its installation and use.



### How do I get there?

Technicians may become eligible for certification after taking a few related courses or specialized or technical college coursework, depending on their specialization. Technologists require a technical or college diploma or degree in a related discipline from a recognized institution for most positions.

In addition, technicians and technologists can become certified through one of the Canadian Council of Technicians and Technologist's provincial associations. Certifications are transferable across Canada and include:

- ▶ Applied Science Technologist (AScT)
- ▶ Certified Technician (CTech)
- ▶ Certified Engineering Technologist (CET)
- ▶ Professional Technologist (PTech)

Entry into these fields may be made at a junior level with the appropriate education, no work experience is required.



### What would I do?

The top competencies for Technicians and Technologists are:

- ▶ Public safety and security
- ▶ Engineering and technology
- ▶ Critical thinking
- ▶ Troubleshooting
- ▶ Quality control analysis



### Career Progression

Advancement to more senior levels of work is based on work experience and competency.



## What careers could I have?

Careers in the technicians and technologists category of the petroleum industry include:

- ▶ Chemical Technicians and Technologists
- ▶ Civil and Structural Engineering Technologists
- ▶ Electrical Technicians and Technologists
- ▶ Engineering Design and Drafting Technologists
- ▶ Geoscience Technicians and Technologists
- ▶ Instrumentation Engineering Technologists
- ▶ Marine Technicians
- ▶ Mechanical Technicians
- ▶ Mechanical Engineering Technologists
- ▶ Mining Engineer Technologists
- ▶ Oil and Gas Transportation Services
- ▶ Petroleum Engineering Technologists
- ▶ Power Engineering Technologists (Stationary Engineer or Steam Engine)
- ▶ Solids Control Technicians
- ▶ Surveying and Geomatics Technologists
- ▶ Valve Technicians
- ▶ Warehouse Technicians
- ▶ Wastewater Technicians
- ▶ Well Testing Services Supervisors

EXPLORE OCCUPATIONS IN THIS CATEGORY



## How can I find out more?

The following websites can provide additional information

- ▶ Canadian Council of Technicians and Technologists ([www.cctt.ca](http://www.cctt.ca))
- ▶ Applied Science Technicians and Technologists of British Columbia ([www.asttbc.org](http://www.asttbc.org))
- ▶ Association of Science and Engineering Technology Professionals of Alberta ([www.aset.ab.ca](http://www.aset.ab.ca))
- ▶ Saskatchewan Applied Science Technologists and Technicians ([www.sastt.ca](http://www.sastt.ca))
- ▶ Certified Technicians and Technologists Association of Manitoba ([www.cttam.com](http://www.cttam.com))
- ▶ Ontario Association of Certified Engineering Technicians and Technologists ([www.oacett.org](http://www.oacett.org))
- ▶ Ordre des technologistes professionnels du Quebec ([www.otpq.qc.ca](http://www.otpq.qc.ca))
- ▶ New Brunswick Society of Certified Engineering Technicians and Technologists ([www.nbscett.nb.ca](http://www.nbscett.nb.ca))
- ▶ TechNova: Certified Technology Professionals (Nova Scotia) ([www.technova.ca](http://www.technova.ca))
- ▶ Association of Certified Engineering Technicians and Technologists of Prince Edward Island ([www.acettpei.ca](http://www.acettpei.ca))
- ▶ Association of Engineering Technicians and Technologists of Newfoundland and Labrador ([www.aettnl.com](http://www.aettnl.com))

## ADDITIONAL RESOURCES

Check out National Technology Week – it's held annually in the first week of November and helps students, teachers and parents explore technical careers.

Visit [careersinoilandgas.com](http://careersinoilandgas.com) to use our Career Explorer tool and find the job that suits you best!