

# Energy & Power

## Topic 5 - Careers

Students will be expected to:

- 1.18 examine and consider career trends and professions in energy and power related industries

The careers below are all related to energy and power related industries. Select one career to investigate and complete the assignment below.

- ✚Architect
- ✚Derrick Operators - Oil and Gas
- ✚Drillers and Blasters
- ✚Drilling Engineer
- ✚Drilling Rig Medic
- ✚Electrical and Electronics Engineer
- ✚Electrical and Electronics Installers and Repairers
- ✚Electrical Control (Machine) Builder
- ✚Electrical Motor System Technician
- ✚Electrician - Power House Operator (TTC)
- ✚Electricians
- ✚Environmental Engineers
- ✚Environmental Impact Analyst
- ✚Environmental Issues Lobbyist
- ✚Environmental Scientists
- ✚Health and Safety Engineers
- ✚Hydrologist
- ✚Line Installers and Repairers
- ✚Machine Operators
- ✚Machinists
- ✚Meter Readers, Utilities
- ✚Mine Engineers
- ✚Mud Engineer
- ✚Natural Science Managers
- ✚Nuclear Engineer
- ✚Nuclear Power Reactor Operator
- ✚Petroleum Engineers
- ✚Pipefitter
- ✚Power Plant Operators, Distributors, and Dispatchers
- ✚Riggers

✚Fabricators

✚Roughneck

✚Fitter - Assembler (Motor Assembly)

✚Semiconductor Processors

✚Gas and Chemical Processing Supervisors

✚Surveyors and Surveying Technicians

✚Gas Fitters

✚Transmission Installer

✚Geologist

✚Transmission Planning Engineer

### Assignment:

✚Use the Internet to research answers for the questions.

✚Properly state your answers to each question in a Word or WordPerfect document.

✚At the end of your document place the title "Internet Sources" and list under the title the web sites you used to answer each question.

▣Sample

▣Internet Sources

▣Question 1

▣<http://www.occdsb.on.ca/~proj4632/learnmore.htm>

▣[www.robotics.com/intro.htm](http://www.robotics.com/intro.htm)

✚Save your document using the name Assignment\_5 in the assignment folder in your course portfolio.

✚When the assignment is completed link the document to the appropriate title on the Unit 1 page in your course Portfolio.

### Questions:

1. Give a job description for this career (ie., what does the person do?).
2. For what industry (or industries) do they work?

3. What is the minimum training or education needed for an entry-level job in this career? (ie. apprenticeship, associate degree, bachelor's degree, master's degree, other)
4. What is the average salary earned by a person in this career? (state whether Canadian or US dollars, biweekly, monthly, yearly, etc.)
5. Name two things you would enjoy about this career. Tell why.
6. Name two things you think would be difficult about this career. Tell why.

### Places to start your search:

<http://www.collegegrad.com/careers/all.shtml>

✚ CollegeGrad.com - Career Information - U.S. site

<http://tradeability.ca/DesktopDefault.aspx?TabId=3330&Lang=en>

✚ tradeability.ca - Career Information on skilled trades jobs - Canadian site

<http://www.jobfutures.ca/noc/browse-occupations-alphabet.shtml>

✚ Government of Canada site - alphabetical job listings

[http://www.workfutures.bc.ca/profiles/index\\_alpha.cfm?page=1&lang=en&site=graphic](http://www.workfutures.bc.ca/profiles/index_alpha.cfm?page=1&lang=en&site=graphic)

✚ Work Futures - British Columbia Occupational Outlooks - alphabetical job listings

<http://www.edinformatics.com/careers/>

✚ Edinformatics - Education for the Information Age - Career Database

✚ To search for information on any job - do a Google search for "*job title*" + "*job description*" filling in the job that you are looking in for *job title*. (be sure to include the quotation marks and the plus sign in your Google search)

<http://www.khake.com/page49.html>

✚ Vocational Information Center - Energy and Power Career Guide

