

## WHAT CAN I DO WITH A MAJOR IN ENGINEERING

### CAREER INFORMATION FOR MAJOR IN ENGINEERING

This handout provides sources of career information for **Engineering** Majors. There are different career options available in the field of **Engineering**. Below is a sample of some of the types of positions for graduates with major in **Engineering**. Please note that you might require further education and experience for some positions.

### SKILLS DEVELOPED BY ENGINEERING STUDENTS

- Verbal communication skills
- Ability to motivate others
- Time management
- Use lab and workshop equipment to generate and analyze useful data
- Able to plan and prioritize, work to deadlines and under pressure
- Cost/value-conscious and aware of the necessary social, cultural, environmental, health and safety, and wider professional responsibilities
- Able to solve problems using both logic and creative/innovative approaches
- Numerate and highly computer literate, with excellent analytical skills
- Can design experiments to gain new data
- Assess and manage risk
- Drafting and designing
- Computational skills
- Able to communicate with others and work in multidisciplinary teams
- Develop, promote and employ safe work systems
- Use information technology effectively
- Apply a theoretical approach to problems
- Ability to apply professional judgment to trade-offs
- Capable of careful attention to detail, exercising good judgment and accepting responsibility

### CAREERS IN ENGINEERING

- Civil Engineer
- Aerospace Engineer
- Agricultural Engineer
- Biomedical Engineer
- Chemical Engineer
- Electrical Engineer
- Environmental Engineer
- Industrial Engineer
- Mechanical Engineer
- Mining and Geological Engineer
- Nuclear Engineer
- Petroleum Engineer

### EXAMPLES OF EMPLOYERS WHO HIRE ENGINEERING GRADUATES

- Federal Government
- Provincial Government
- Municipal Governments
- Anheuser-Busch Inc.
- Coca-Cola
- Wal-mart
- Microsoft
- Acadian Seaplants Ltd.
- Dexter Construction Company
- Bakor Inc.
- Abacus Minerals Corp.
- Sandstorm Resources Ltd.
- Albion Sands Energy Inc.
- Gemini Engineering Inc.
- Jacobs Canada Inc.
- Martec Ltd.
- MacDonald, Dettwiler and Associates
- PG
- Rio Tinto
- Veco Corp.
- Bayer Inc.
- Brantford Chemicals Inc.
- Can-Am Geomatics Corp.
- Stantec Inc.
- Delcan Corporation
- IMP Group International Inc.
- Aecon Group Inc.
- Suncor
- Syncrude

## ENGINEERING JOBS

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Indeed

<http://www.indeed.com/q-Engineering-jobs.html>

Monster

<http://jobsearch.monster.ca/Search.aspx?q=engineer&cy=ca&lid=224>

CareerBeacon

<http://www.careerbeacon.com/search.html?q=engineer&btnG=search>

Workopolis

<http://www.workopolis.com/EN/job-search/engineer-jobs?ak=engineer&lg=en>

WowJobs

<http://www.wowjobs.ca/BrowseResults.aspx?q=engineer&l=&s=r>

TalentEgg

<http://www.talentegg.ca>

## ENGINEERING ASSOCIATIONS

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Engineers Canada

<http://www.engineerscanada.ca/e/index.cfm>

Canadian Federation of Engineering Students

<http://www.cfes.ca/>

Canadian Society for Professional Engineers

[http://www.cspe.ca/CSPE/Main\\_Page.html](http://www.cspe.ca/CSPE/Main_Page.html)

Association of Consulting Engineering Companies  
Canada

<http://www.acec.ca/>

Canadian Society for Civil Engineering

<http://www.csce.ca/Main.aspx?id=1&lang=1>

## CAREER RESOURCE LIBRARY FOR ENGINEERING STUDENTS (BOOKS)

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Great Jobs for Engineering Majors: Geraldine Garner

Opportunities in Engineering Careers: Nicholas Basta

Careers in science and engineering: A student planning guide: Committee on Science, Engineering and Public Policy

Updated February 2015