Succeed in the workplace

What employers want
The Canadian Council of Chief Executives list the top 6 skills sought by employers as:
1. People skills
2. Communication skills
3. Problem-solving skills
4. Analytical abilities
5. Leadership skills
6. Industry-specific knowledge

Take the time to think about the unique skills you have developed at Queen's, starting with the skills list here for ideas. Explaining your strengths with compelling examples will be important for applications to employers and further education. For help, check out the Career Services skills workshop.

What can I learn studying CIVIL ENGINEERING?
- Proficiency in mathematics
- Knowledge of civil engineering methods and theory
- Apply principles of physics and mathematics to the design of physical environments such as roads, bridges, and buildings
- Work independently and in teams
- Team work - work with other students on a project
- Oral and written communication - engineering report writing skills and presentation skills
- Leadership
- Time management and organization – manage several ongoing projects

Get to know CIVIL ENGINEERING
We go about our lives within a physical environment created by civil engineers: homes, schools, office buildings, highways, bridges, subway systems, airports, river and coastal systems and green landscapes. As a civil engineering student, you will study how to plan, design and build these structures and systems with an environmentally- respectful approach. As part of its real-world preparation, this innovative program emphasizes learning-by-doing, teamwork, communication, leadership and problem solving. Courses and electives are grouped into structural, environmental, hydrotechnical, and geotechnical streams.

Get the help you need
Queen's provides you with a broad range of support services from your first point of contact with the university through to graduation. At Queen’s, you are never alone. We have many offices dedicated to helping you learn, think and do.

Ranging from help with academics and careers, to physical, emotional, or spiritual resources – our welcoming living and learning environment offers the programs and services you need to be successful, both academically and personally, and Queen’s wants you to succeed! Check out the Student Affairs website for available resources.
1ST YEAR

Queen's Engineering first year is common – courses include: Physics, Chemistry, Calculus, Algebra, Graphics, Computing and Earth Systems Engineering. Also APSC100, the entry level course in our Engineering Design and Practice Sequence (EDPS), focusing on problem solving, experimentation principles and finishing off with a team-based engineering project.

Discipline selection will take place in February!

2ND YEAR

Students will start their second year by participating in the first of three Civil Weeks.

Courses include: Chemistry, Mechanics, Applied Mathematics, Materials, Numerical Methods, Hydraulics and Engineering Economics.

You will also take the second EDPS course – APSC200. Finally, you will take one List A (Humanities and Social Science) Complementary Studies course.

Look into summer jobs by talking to the dept. or Career Services about work through SWEPC or NSERC.

Take more responsibility within different clubs or extracurriculars as: Civil Club, Concrete Toboggan Team, Concrete Canoe Team, and the Bridge Building Club.

3RD YEAR

Students will start their third year by participating in their second Civil Week.

Courses include: Structural Analysis, Geotechnical Engineering, Hydraulics, Groundwater Engineering, Structural Steel Design, Water & Wastewater Engineering and Design & Practice.

You will also take one List A Complementary Studies course, plus one Management Elective.

Stay during the summer as an assistant to a faculty member or apply for an external summer research opportunity. If interested, apply to do a 12-16 month QUIP internship between your third and fourth year.

Civil also offers a Job Network and Industry Open House which students are encouraged to attend.

Consider joining an intramural sports or an athletics team. Check out the Athletics & Recreation site.

GET RELEVANT EXPERIENCE

Join teams or clubs on campus such as the Concrete Canoe Team.

See the AMS Clubs Directory or the Queen's Get Involved page for more ideas.

GET CONNECTED WITH THE COMMUNITY

Volunteer on or off campus with different community organizations, such as Let's Talk Science (LTS), Science Quest, and Engineers without Borders (EWB).

Consider joining an intramural sports or an athletics team. Check out the Athletics & Recreation site.

Consider joining professional associations like Canadian Society for Civil Engineering (CSCE).

GET THINKING GLOBALLY

The Queen's University International Centre is your first stop to learn how to internationalize your degree or to leverage your existing cross-cultural experience.

Speak to a QUIC advisor or get involved in their programs, events and training opportunities.

Consider joining the Engineering Society (ENGSOC).

Start or continue volunteering with organizations such as: the Commerce & Engineering Environmental Conference (CEEC).

Consider joining professional associations like Canadian Society for Civil Engineering (CSCE).

GET READY FOR LIFE AFTER GRADUATION

Grappling with program decisions? Go to the Orientation Evenings held by different Engineering departments and attend the various Career Fairs during the year.

Get some help wondering about career options from Career Services.

Explore different careers of interest by reading books in the Career Services Career Advising and Resource Area, such as Civil Engineering Careers. For more information check out Career Cruising or by finding and connecting with alumni on LinkedIn.

Start focusing on areas of interest. Research education requirements for careers of interest. If needed, prepare to take any required tests (like the LSAT or GMAT) and get help thinking about grad school from Career Services.

Where could I go after graduation?

Archaeology
Architecture
Business administration
Environmental conservation
Construction
Environmental engineering
Design engineer
Foreign Service
Geographic information systems
Geomatics
Industrial engineering
Informatics
Insurance
International development
Law
Landscape architecture
Mapping, surveying & cartography
Mining engineering
Occupational health and safety
Public administration
Public transportation
Real estate
Robotics
Special effects
Strategic planning
Structural engineer
Water resources engineering
Urban and regional planning

*some careers may require additional training

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Visit careers.queensu.ca/majormaps for the online version with links!