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. Exploring your strengths with compelling examples will be important for applications to employers and further education. For help, check out Career Services workshops.

What can I learn studying MECHANICAL ENGINEERING?

Proficiency in mathematics and quantitative analysis

• Become a balanced engineer by developing a set of innovation and implementation skills embodied in the CDIO paradigm: Conceive, Develop, Implement and Operate
• Time and resource management
• Excellent technical writing and communication skills
• Engineering design skills
• Ability to apply science fundamentals to practical problems of mechanical engineering
• Experience and capability in employing various information sources for solving engineering problems
• Ability to work independently and in a team on a project

Why study in Kingston?

For 175 years, our community has been more than a collection of bright minds – Queen’s has attracted students with an ambitious spirit. Queen’s has the highest retention rates, the highest graduation rates, and one of the highest employment rates among recent graduates. We are a research intensive university focused on the undergraduate experience. The BBC has identified us as one of the GREATEST UNIVERSITY TOWNS in the world – and is often awarded the safest city in Canada. We are a university city at the core; just a quick drive to Toronto, Montreal, Ottawa and even New York. A university with more clubs per capita than any other university in Canada, and a city with more restaurants per capita than any other city in North America – you will have the experience of a lifetime at Queen’s – and graduate with a degree that is globally recognized among the best.

For help, 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

- You will take the second EDPS course – APSC 200.
- Students decide to enroll into one of the following options: ME1 – General, ME2 – Materials, or ME3 – Biomedical.

3RD YEAR

- Your other 4 courses will depend on your option.

4TH OR FINAL YEAR

- Courses include either Team Project: Conceive & Design or Multi-disciplinary Industry Engineering Design Project. ME3 students will also take the Team Project: Implement & Operate course.
- Choose another 6 or 7 technical courses depending on your option, three complementary studies courses, and you are set to graduate!

Where could I go after graduation?

- Acoustics
- Aviation and aircraft management
- Automotives
- Biomechanics
- Biomedical technology
- Business administration and management
- Communications
- Construction
- Economics
- Education
- Electrical services
- Environmental sustainability
- Industrial engineering
- Information technology
- International development
- Manufacturing
- Materials engineering
- Market data analysis
- Medicine
- Metallurgical engineering
- Nuclear engineering
- Occupational health and safety
- Product design
- Renewable resources and sustainability
- Research analyst
- Robotics
- Sound engineering
- Structural analyst
- Transportation
- Quality assurance
- Ventilation

*This map is intended to provide suggestions for activities and careers, but everyone's abilities, experiences, and constraints are different. Build your own Major Map using our online My Major Map tool.

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