

# Master of Engineering (MEng)



## Why study a Master of Engineering at Western?

The Master of Engineering (MEng) program at Western University is offered to students who have a Bachelor of Engineering degree or an equivalent degree from an accredited university in Canada or elsewhere. This program provides an opportunity for qualified engineers to improve his/her theoretical and practical skills. The flexibility of the program enables students to be enrolled in courses directly related to their careers in different fields of engineering.

The MEng program offers a course-based degree that may be a combination of course work and a project OR completely course work. Students in the MEng program do not require a supervisor. A Program Co-ordinator is assigned to oversee the MEng Program and assist MEng students throughout their course of study.

The MEng degree may be obtained either on a full-time or part-time basis. The MEng program is typically one year in duration. Minimum residency time is three academic semesters.

## Department Programs

### **Chemical and Biochemical Engineering**

Chemical, Environmental and Green Engineering, Biomaterials and Biochemical, Process Control and Safety, Particle Technologies and Fluidization, Reactions and Process Systems

### **Civil and Environmental Engineering**

Environmental and Water Resources Engineering, Structural and Infrastructure, Geotechnical and Geoenvironmental, Wind Engineering and Environmental Fluid Mechanics

### **Electrical and Computer Engineering**

Engineering in Medicine, Power Systems Engineering, Robotics and Control, Software Engineering, Communication Systems and Data Networking

### **Mechanical and Materials Engineering**

Mechanical Engineering, Automation Technologies and Systems, Composite Materials, Materials and Solid Mechanics, Engineering in Medicine, HVAC Systems and Thermofluids



## MEng program

- Students must complete 10 graduate courses total or eight courses plus an approved research project or internship.\*
- 50% of selected technical courses will be core courses taken within the home department.
- Two courses must be selected from available Professional Engineering courses (Project Planning and Management, Intellectual Property, and Engineering Communications).
- A recommended package of courses for each specialized program stream will be suggested.
- Students may choose to take elective courses from departments outside of their focus area upon approval of home department.
- Minimum residency: Three academic terms (one year)

All programs can be completed part-time or full-time and students can choose to start in September, January or May.

### \*Project option

Equivalent to two academic credits, the project option allows MEng students to gain experience in their field of study while investigating a relevant engineering topic involving research, design, or analysis relating to an engineering problem. Topics would be selected in consultation with a faculty member.

### \*Internship Option

Equivalent to two academic credits, the internship option allows MEng students to gain hands-on experience in industry directly related to their field of study. During the four to eight-month placement in industry, students will participate in engineering projects on-site at a participating organization under the guidance of an Engineering Supervisor.

In both options, students must submit a written report to be reviewed and graded by a faculty member.

### Want more information?

Visit the Graduate Studies website at [eng.uwo.ca/gradstudies](http://eng.uwo.ca/gradstudies).

### Graduate Services, Western Engineering

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### Admission requirements

- Minimum 70% in a four-year honours degree or equivalent from an accredited university (average based on last two years of the degree).
- Work experience is not mandatory, but applicants with work experience are given special consideration.
- Two letters of reference (preferably academic)
- English Language Proficiency
- International students will need to apply at least six months prior to the start date of the desired term.

### How to Apply

1. Complete the online application
2. Submit letters of reference
3. Submit any supplementary documents
  - Academic records/transcripts
  - English Language Proficiency (if applicable)
4. Pay the application fee (\$100 CAD)

**Check with the department's Graduate Office for application deadlines.**