

## Master of Engineering: Structural & Infrastructural Engineering



### What is a Master of Engineering Degree?

A Master of Engineering (MEng) degree is a professional coursework-based degree offered at Western University. A MEng degree can be completed in one year on a full-time basis; or in 20 months on a part-time basis for students who work full-time.

### Why Pursue a Master of Engineering Degree?

- Complete a post-graduate degree in a minimum of one year on a full-time basis
- Learn practical engineering skills
- Stand out from other engineering graduates
- Advance your career
- Obtain Canadian credentials - a crucial entry-point for international students and newcomers to Canada seeking employment opportunities in engineering

### Why Pursue a Structural Master of Engineering Degree at Western?

Western University's Civil & Environmental Engineering program, **ranked #1 in Canada and #26 worldwide** by the Academic Ranking of World Universities ([www.shanghairanking.com](http://www.shanghairanking.com)), is renowned for its excellence, nationally and internationally, due to its outstanding academic curricula, award-winning professors and state-of-the-art facilities.

The Structural Master of Engineering Degree at Western is designed to enhance your practical knowledge in advanced analysis and design procedures for various types of structures. You will learn about wind engineering, seismic design of structures, the design of foundations, and earth structures in courses delivered by professors who have taught these subjects to professional engineers all over Canada. Our faculty members have strong ties with today's employers, providing you with the opportunity to interact with industrial partners and broaden your knowledge of real-life applications in the field. In addition, you will be exposed to emerging topics in engineering, such as Building Information Modeling and Building Sustainability. The program also includes professional development courses, like Project Management and Engineering Business.

### Admission Requirements

- Minimum 70 percent average in a four-year honors degree or equivalent from an accredited university (average based on the last two years of the degree), as determined by the Department
- Work experience is not mandatory, but is considered an asset
- Two letters of reference (preferably academic)
- For international students: English language proficiency

### Fees

\*Please see the posted [Fee Schedule](#) for up-to-date fees.

\*Please visit [https://www.registrar.uwo.ca/student\\_finances/fees\\_refunds/who\\_pays\\_canadian\\_tuition\\_fees.html](https://www.registrar.uwo.ca/student_finances/fees_refunds/who_pays_canadian_tuition_fees.html) for residency requirements.

## Course Offerings 2024-2025

	MEng Project	2024	Fall
CEE 9512	Finite Element Method (Theory and Applications)	2024	Fall
CEE 9520	Engineering Statistics & Reliability	2024	Fall
CEE 9526	Wind Engineering	2024	Fall
CEE 9532	Building Sustainability	2024	Fall
CEE 9548	Advanced Design & Behaviour of Steel	2024	Fall
CEE 9720	Pipeline Design and Assessment	2024	Fall
	MEng Project	2025	Winter
CEE 9538	Introduction to Wood Design	2025	Winter
CEE 9550	Seismic Analysis and Design of Buildings	2025	Winter
CEE 9610	Advanced Structural Dynamics	2025	Winter
CEE 9628	Prestressed Concrete	2025	Winter
CEE 9693	Bluff Body Aerodynamics	2025	Winter
	MEng Project	2025	Summer
CEE 9518	Building Information Modelling	2025	Summer
CEE 9549	Advanced Design & Behaviour of Concrete Structures	2025	Summer

\*course offerings are subject to change

Please visit <https://www.eng.uwo.ca/tc/graduate/Grad-courses.html> to learn more about the Professional Courses offered through the John M. Thompson Centre for Engineering Leadership and Innovation.

Please visit <https://www.eng.uwo.ca/tc/graduate/graduate-diploma.html> to learn more about the Engineering Leadership and Innovation Graduate Diploma (GDip).

For more information, please contact:

Civil & Environmental Engineering Graduate Office  
 Spencer Engineering Building 3118  
 Western University  
 London, ON  
 t. 519.661.2111 x83344  
 e. [ceeprofessionalgrad@uwo.ca](mailto:ceeprofessionalgrad@uwo.ca)