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 #18 worldwide* by the Academic Ranking of World Universities (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 for residency requirements.

Course Offerings 2023-2024

	MEng Project	2023	Fall
CEE 9411	Sustainable Mobility for Smart Cities	2023	Fall
CEE 9512	Finite Element Method (Theory and Applications)	2023	Fall
CEE 9526	Wind Engineering	2023	Fall
CEE 9532	Building Sustainability	2023	Fall
CEE 9548	Advanced Design & Behaviour of Steel	2023	Fall
CEE 9720	Pipeline Design and Assessment	2023	Fall
	MEng Project	2024	Winter
CEE 9412	Intelligent Transportation Systems	2024	Winter
CEE 9527	Computational Wind Engineering	2024	Winter
CEE 9538	Introduction to Wood Design	2024	Winter
CEE 9550	Seismic Analysis and Design of Buildings	2024	Winter
CEE 9571	Advanced Concrete Technology	2024	Winter
CEE 9628	Prestressed Concrete	2024	Winter
CEE 9719	Advanced Finite Element Methods	2024	Winter
	MEng Project	2024	Summer
CEE 9518	Building Information Modelling	2024	Summer
CEE 9549	Advanced Design & Behaviour of Concrete Structures	2024	Summer
CEE 9695	Assessment and Retrofit Masonry Structures	2024	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:

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