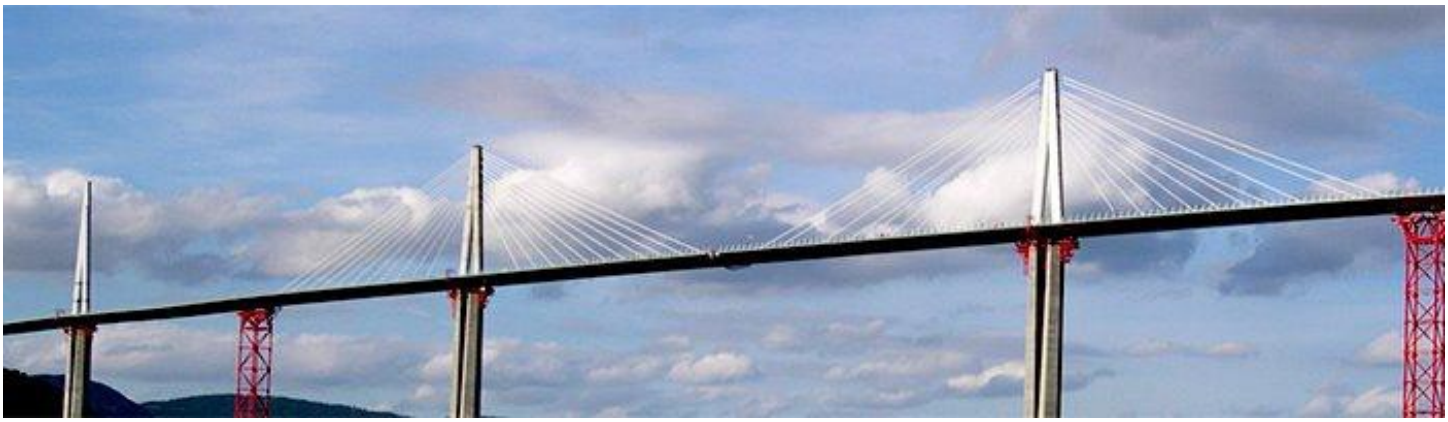
Western Engineering

Department of Civil & Environmental Engineering

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 full-time basis; or in 20 months on a part-time basis for students who work full-time (with courses offered only on Fridays).

Why Pursue a Master of Engineering Degree?

- Complete a post-graduate degree in a minimum of one year on 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 #14 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 seismic design of structures, design of foundations and earth structures, and design of bridges 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 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 per cent average in a four-year honours degree or equivalent from an accredited university (Average based on last two years of the degree), as determined by the Department
- Work experience is not mandatory, but considered an asset
- Two letters of reference (preferably academic)
- English language proficiency for international students

Fees

Canadian citizens/permanent residents: ~ $14,833/year full-time, ~ $3,723/year part-time* International students: ~ $33,538/year full-time, ~ $15,899/year part-time* Fees are subject to change; please see the posted Fee Schedule for up-to-date fees.

* Minimum residence is seven terms, proof of employment required.

Western Engineering

Department of Civil & Environmental Engineering

Course Offerings 2019-2020

CEE	9512	FINITE ELEMENT METHOD (THEORY AND APPLICATIONS)	2019	Fall
CEE	9513	DESIGN OF LATERAL LOAD STRUCTURES	2019	Fall
CEE	9603	RANDOM VIBRATION	2019	Fall
CEE	9527	COMPUTATIONAL WIND ENGINEERING	2019	Fall
CEE	9610	ADVANCED STRUCTURAL DYNAMICS	2019	Fall
CEE	9679	BRIDGE DESIGN & EVALUATION	2019	Fall
CEE	9720	INTRODUCTION TO PIPELINE DESIGN	2019	Fall
CEE	9532	BUILDING SUSTAINABILITY	2020	Winter
CEE	9548	ADVANCED DESIGN & BEHAVIOUR OF STEEL	2020	Winter
CEE	9550	SEISMIC ANALYSIS AND DESIGN OF BUILDINGS	2020	Winter
CEE	9628	PRESTRESSED CONCRETE	2020	Winter
CEE	9517	ENGINEERING MASONRY DESIGN	2020	Summer
CEE	9549	ADVANCED DESIGN & BEHAVIOUR OF CONC STRUCTURES	2020	Summer
CEE	9695	WIND-EXCITED & AEROELASTIC RESPONSE OF STRUCTURES	2020	Summer
Professional Courses:				
ENGSCI	9010	INTELLECTUAL PROPERTY OF ENGINEERS	2020	Summer
ENGSCI	9185	RISK ASSESSMENT & MANAGEMENT IN ENGINEERING SCIENCE	2020	Summer
ENGSCI	9501	ENGINEERING BUSINESS	2020	Summer
ENGSCI	9510	ENGINEERING PLANNING & PROJECT MANAGEMENT	2020	Summer
ENGSCI	9670	ENGINEERING COMMUNICATIONS	2020	Summer

*course offerings are subject to change

For more information, please contact:

Kristen Edwards
Graduate Program Coordinator
Spencer Engineering Building 3009
Western University
London, ON
t. 519.661.2111 x82943
e. civilgrad@uwo.ca