Western Engineering

Department of Civil & Environmental Engineering

Master of Engineering: Environmental Engineering

What is a Master of Engineering Degree?

A Master of Engineering (MEng) degree is a professional coursework based degree offered at Western University (formerly known as The University of Western Ontario). The program is designed to meet the needs of both fulltime and part time students and professionals who are working in the field of water resources engineering. The degree can be completed in one year on full time basis.

Why Pursue a Master of Engineering Degree?

- Advance your career by learning state of the art knowledge and stand out from other engineering graduates;
- 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;
- Exposed yourself to new emerging topics in water resources engineering, wastewater treatment, and ground water contamination
- Learn new technologies in drinking water quality and treatment;
- Study application of GIS and learn the environmental assessment process require for water resources projects;
- Enhance your project management skills by taking professional development skills courses such as Project Management and Engineering Communications; and
- Obtain Canadian credentials - a crucial entry-point for international students and newcomers to Canada seeking employment opportunities in engineering.

Why Pursue Environmental Engineering Degree at Western?

The increased pressure on water resources as well as challenges associated with wastewater treatment, ground water contamination and the quality of drinking water make it a very competitive and demanding field of engineering. The CEE department understands the scope and future needs in water resources engineering. The Master of Engineering in Environmental Engineering Degree at Western is designed to prepare you for the future needs and enhance your practical knowledge in advanced analysis, design procedures and new concepts for various types of water resources engineering projects including the application of GIS. The CEE department will help you to make sure you are aware of the challenges and demands and prepare you for the future requirements of this major field of civil engineering. Courses are taught by instructors who combine a strong academic knowledge with practical industry experience.

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: ~ $11,380/year full-time, ~ $5,415/year part-time* International students: ~ $27,370/year full-ime, ~ $13,715/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.

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Course Offerings:

ENVIRONMENTAL & WATER RESOURCES COURSES 2018-2019

Environmental Engineering Courses				
CEE	9535	ADVANCED METHODS IN HYDROSCIENCE: APPLICATIONS AND DESIGN	2018	Fall
CEE	9566	ADVANCED SYSTEMS ANALYSIS	2018	Fall
CEE	9632	ADVANCED STORMWATER MANAGEMENT	2018	Fall
CEE	9890	SUBSURFACE CONTAMINATION	2018	Fall
Other:				
CBE	*9350*	*PHYSICAL PRINCIPLES OF ENVIRONMENTAL ENGINEERING*	*2018*	*Fall*
CEE	9567	GIS & COMPUTER APPLICATIONS TO WATER RESOURCES MANGMENT	2019	Winter
CEE	9568	ENVIRONMENTAL ASSESSMENT PROC FOR WATER RESOURCES	2019	Winter
CEE		WASTEWATER MODELLING AND PROCESS CONTROL	2019	Winter
CEE	9642	AQUATIC CHEMISTRY	2019	Winter
CEE	9695	SPECIAL TOPICS IN CEE: DATA ANALYSIS & MODELLING ENVIRONMENTAL SYSTEMS	2019	Winter
Other:				
CBE	*9361*	*BIOLOGICAL WASTEWATER TREATMENT*	*2019*	*Winter*
CEE	9634	STRATIFIED FLOWS	2019	Summer
CEE	9692	DRINKING WATER QUALITY & TREATMENT	2019	Summer
Professional Courses:				
ENGSCI	9010	INTELLECTUAL PROPERTY OF ENGINEERS	2019	Summer
ENGSCI	9185	RISK ASSESSMENT & MANAGEMENT IN ENGINEERING SCIENCE	2019	Summer
ENGSCI	9501	ENGINEERING BUSINESS	2019	Summer
ENGSCI	9510	ENGINEERING PLANNING & PROJECT MANAGEMENT	2019	Summer
ENGSCI	9670	ENGINEERING COMMUNICATIONS	2019	Summer

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