Western
UNIVERSITY · CANADA

Department of Civil and Environmental Engineering

Master of Engineering: Wind Engineering

The Department of Civil & Environmental Engineering, in conjunction with the WindEEE Research Institute at **the University of Western Ontario**, offers a unique course-based Master of Engineering degree in Wind Engineering. The program consists of either (i) six high-level technical courses, two professional courses, and a Wind Engineering project (*project based*), or (ii) eight high-level technical courses and two professional courses (*course based*).

Why Pursue a Master of Engineering in Wind Engineering Degree at Western?

The University of Western Ontario is the home of the Boundary Layer Wind Tunnel Laboratory (BLWTL), established in the 1960's by Professor Alan Davenport. During the past five decades, more than 1000 projects of the world's tallest buildings and longest span bridges have been tested, and cutting edge research in Wind Engineering has been conducted that has influenced code provisions worldwide. With the establishment of the Insurance Research Lab for Better Homes and the WindEEE Dome, one-of-a-kind three-dimensional wind testing facility, Western has augmented its wind-testing capabilities with large-scale testing and high-intensity wind testing such as tornadoes and downbursts.

Through this MEng program, students will learn advanced topics in wind engineering, wind energy, micrometeorology, computational methods in wind engineering, as well as related topics in sustainability. These courses are taught by world leaders of the field from the University of Western Ontario as well as around the world. Students will also gain practical experience in wind testing.

Admission Requirements

- Minimum 70 per cent average in a four-year honors 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

Course Information

Two module options:

- *Course-based* (ten courses); or
- *Project-based* (eight courses plus a research project to be conducted at either the BLWTL or WindEEE);
- MEng project is equivalent to two courses and can be completed over a period of two terms after first term of enrollment in the program

Course Listing

WIND ENGINEERING COURSES 2018-2019

CEE	9526	WIND ENGINEERING	2018	Fall
CEE	9527	COMPUTATIONAL WIND ENGINEERING	2018	Fall
CEE	9520	APPLICATION OF STATISTICS AND RELIABILITY	2018	Fall
CEE	9525	BOUNDARY LAYER METEOROLOGY	2019	Winter
CEE	9531	WIND ENERGY	2019	Winter
CEE	9693	BLUFF BODY AERODYNAMICS	2019	Winter
CEE	9532	BUILDING SUSTAINABILITY	2019	Winter
CEE	9695	SPECIAL TOPICS IN CEE - WIND-EXCITED AND AEROELASTIC	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

Program Contact Information:
Kristen Edwards, Graduate Program Coordinator
Spencer Engineering Building, Room 3009, London, ON N6A 5B9
t: 519-850-2943 e: civilgrad@uwo.ca
www.eng.uwo.ca/civil/graduate

Fees:
Canadian citizens/permanent residents: $11,380/year
International students: $27,370/year
Fees are subject to change, please see the posted Fee Schedule for up-to-date fees.