

Master of Engineering

Move fast. Think faster.

The University of Windsor is located on the Canada-United States border in the heart of North America's automotive, design and manufacturing industries. Our unique location means that we can offer our students opportunities for international study, research and work experience that no other university in Canada can match. The Faculty of Engineering offers a variety of exciting and practical programs making use of leading-edge technologies.

We are innovative – we were the first Canadian university to offer an automotive option in Mechanical Engineering. The University of Windsor is host institution for the national AUTO21™ Network of Centres of Excellence and maintains a unique and vital partnership with DaimlerChrysler, evident at the Automotive Research Development Centre (ARDC) which employs over 150 research engineers and provides facilities for our academic staff and graduate students.

We are committed – we were the first Canadian university to offer a degree in Environmental Engineering. Located in the Great Lakes region between Lake Erie and Lake Huron on the shores of the the Detroit River the university has a dynamic commitment to the environment. The faculty has built a thriving Environmental Engineering program, hosts the Great Lakes Institute for Environmental Research (GLIER) and boasts internationally recognized researchers with expertise in clean water and clean air sciences and technologies.

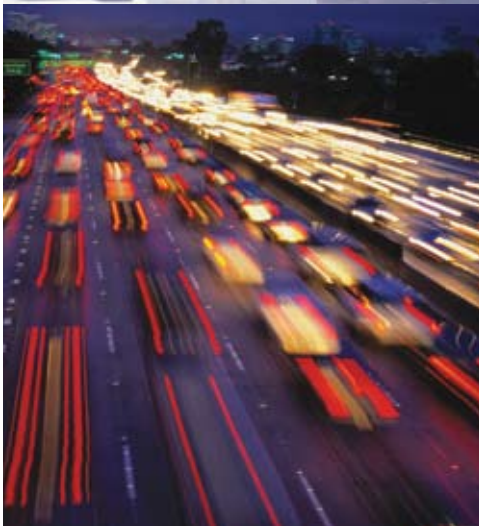
Program Details

The Faculty of Engineering offers the following Master of Engineering (M.Eng.) programs on a full-time basis:

- Civil Engineering
- Electrical Engineering
- Engineering Materials
- Environmental Engineering
- Industrial and Manufacturing Systems Engineering
- Mechanical Engineering

Program Goals

The goal of the M.Eng. degree program is to provide students with the opportunity to extend the understanding of engineering principles involved in specific disciplines beyond the coverage possible in an undergraduate program, and to enhance their grasp of the application of these principles to the solution of complex, practical problems.



Curriculum

Students may enrol in the program beginning in the fall semester, winter semester or summer session.

The program consists of a total of 10 graduate-level courses.

- A minimum of five courses (15 credits) must be taken from the list of graduate courses in the specific M.Eng. program. One of the 5 courses will have one or two short projects (case studies) requiring literature search, report writing and presentations.
- Up to three courses (9 credits) from other M.Eng. programs.
- Up to two courses (6 credits) may be selected from other graduate programs within the university, with the approval of the Graduate Chair.

Typical courses in the M.Eng. program include:

Finite Element Method
Turbulent Flow
Theory of Elasticity and Plasticity
Thermal Systems Design
Advanced Structural Steel Design
Open Channel Flow
Hydrology
Clean Engine Technology
Digital Signal Processing
Manufacturing Systems Simulation
Image Processing
Automotive Applications for NVH Evaluation

Students will normally complete the M.Eng. program over one year (including summer). The time limit for completion is three years.

Contact Information

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Program Details

A candidate for the M.Eng. programs shall hold the degree of Bachelor of Applied Science from the University of Windsor or an equivalent degree in Engineering or Applied Science from another university. Applicants with degrees in related fields may be considered but may require strengthening of their background in Engineering. All applicants whose native language is not English are required to satisfy the University of Windsor's English proficiency requirement. Applicants who can demonstrate relevant post-Baccalaureate engineering employment experience will be given preference during the admission process. Possession of the minimum requirements does not automatically ensure acceptance into the program. It is not anticipated that students with M.Eng degrees will seek admission to University of Windsor Ph.D. programs.

Tuition (in Canadian funds)

\$21,000 for international students*

*Fee subject to Board of Governors' approval

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