# Master of Engineering (M.Eng.) Program in Thermofluids

The Department of Mechanical & Materials Engineering (MME) at the University of Western Ontario offers a Master of Engineering (M.Eng.) program in Thermofluids. This program is specially structured to assist qualified engineers in the advancement of their professional careers and to provide students with the skills necessary to address key technological challenges in the area of Thermofluids.

Students start this program on September 1st. Alternate start date requires the approval of the MME Associate Chair Graduate. If enrolled full-time, a student can complete the degree in one year.

For admission consideration to the M.Eng program, students must have a Bachelor's degree in Mechanical Engineering, or an equivalent degree from an accredited University with a minimum of 70% (B) grade average (North American), computed based on the last two years of a bachelor's honours degree marks, or on their previous graduate marks. In some cases, students with a similar degree from another scientific discipline may be admitted, with the approval of the MME Associate Chair Graduate. Please note that this is a very competitive program, meeting the minimum requirements for admission does not guarantee acceptance into the program.

The program is comprised of either 10 half courses, or 8 half courses plus a MEng Project (MME 9600) as follows:

- **A) 3 core half courses in Fluid Mechanics.**
  - MME 9604a Fluid Mechanics
  - MME 9515a Fluid Machinery
  - MME 9614a Applied Computational Fluid Mechanics and Heat Transfer

- **B) 2 of the 4 core half courses in Professional Engineering (offered in Summer term).**
  - ES 9185L Risk Assessment & Management in Engineering Systems
  - ES 9510L Engineering Planning & Project Mgmt
  - ES 9501L Business & Mgmt: A Global Perspective
  - ES 9010L Intellectual Property for Engineers
  - ES 9510L Engineering Communication
  - ES 9670L Engineering Communication

- **C) 5 elective half courses (if not enrolling in the MME 9600 MEng Project), or 3 elective half courses with the MEng Project.**
  - MME 9516a HVAC I
  - MME 9517b HVAC II
  - MME 9617b Energy Conversion
  - MME 9621b Computational Methods in Engineering
  - MME 9639b Viscous and Boundary Layer Flow
  - MME 9641b Thermal Systems Engineering
  - MME 9646b Energy Modeling of Buildings

Interested student may also be able to enroll in some 97xx-level courses offered by the MME Department with the approval of the course instructor and the MME Associate Chair Graduate. Please note that MEng students are allowed to take a maximum of 3 MME 95xx-level courses.

Courses may be chosen from Electrical and Computer Engineering, Chemical and Biochemical Engineering, Civil and Environmental Engineering, Applied Math, and Physics and Astronomy with the approval of the MME Associate Chair Graduate.

For more information please visit our website: [http://www.eng.uwo.ca/mechanical/graduate/professional_program/index.html](http://www.eng.uwo.ca/mechanical/graduate/professional_program/index.html) or contact by phone (519-661-4122) or by e-mail (mmeprofessionalgrad@uwo.ca).

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