Master of Engineering (M.Eng.) Program in HVAC Systems

The Department of Mechanical & Materials Engineering (MME) at the University of Western Ontario offers a professional Master of Engineering (M.Eng.) program in Heating, Ventilating and Air Conditioning (HVAC) Systems. This program is specially structured to assist qualified engineers in the advancement of their professional careers by specializing in the HVAC Systems. Department also has an HVAC Resource Laboratory equipped with an educational Air Handling Unit and computer workstations with HVAC modeling software HAP.

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. Some courses are offered in the evening.

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 the following:

A) 4 mandatory core half courses related to HVAC.

- MME 9516a HVAC I
- MME 9517b HVAC II
- MME 9641b Thermal Systems Engineering
- MME 9646b Energy Modeling of Buildings

B) 2 of the 4 core half courses in Professional Engineering (offered in Summer term);

- ES 9185L Risk Assessment and Management in Engineering Systems
- ES 9010L Intellectual Property for Engineers
- ES 9510L Engineering Planning and Project Mgmt
- ES 9670L Engineering Communication

C) 4 elective half courses (if not enrolling in the MME 9600 MEng Project), or 2 elective half courses with the MEng Project.

The elective courses are chosen from the list below:

- MME 9515a Fluid Machinery
- MME 9617b Energy Conversion
- MME 9604a Fluid Mechanics
- CEE 9532a Building Sustainability
- MME 9614a Applied Computational Fluid Mechanics and Heat Transfer
- CEE 9518L Building Information Modelling

Interested student may also be able to enroll in other 96xx and 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 or contact by phone (519-661-4122) or by e-mail (mmeprofessionalgrad@uwo.ca).

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