The Department of Mechanical & Materials Engineering (MME) at the University of Western Ontario offers a Master of Engineering (M.Eng.) program in Composite Materials. 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 related to the area of composite materials particularly polymer reinforced composites.

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 either 10 half courses, or 8 half courses plus a MEng Project (MME 9600) as follows:

A) 4 core half courses related to Composite Materials.
   MME 9602a Engineering Materials  MME 9616a Composite Materials
   MME 9603a Solid Mechanics  MME 9643b Composite Processing

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 9510L Engineering Planning and Project Management
   ES 9010L Intellectual Property for Engineers
   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.
   MME 9601a Design and Manufacturing  MME 9620b Nanomaterials and Nanotechnology
   MME 9612L Finite Element Methods  MME 9621b Computational Methods in Engineering
   CBE 9455 Advanced Polymerization Engineering  MME 9618b Fracture of Mechanics
   MME 9514a Corrosion and Wear

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 or contact by phone (519-661-4122) or by e-mail (mmeprofessionalgrad@uwo.ca).

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