The official version of the academic calendar can be found at: www.westerncalendar.uwo.ca

Mechanical Engineering with Medicine

Department of Mechanical and Materials Engineering

The Department of Mechanical and Materials Engineering, together with the Schulich School of Medicine and Dentistry, offer a combined program leading toward a Bachelor of Engineering Science degree and an MD degree. The combined program takes seven years rather than eight years if both degrees were pursued separately. The program is aimed at high-achieving students and requires high admission performance standards. Combined studies in Engineering and Medicine prepare students for a career in technology dependent medicine.

Admission and Program Structure

The admission process involves two steps. The first one involves admission into the Engineering program. Students follow the common first year of the Engineering program. Afterwards, they must be admitted into the Mechanical Engineering program (Option C: Mechanical Engineering and Medicine), which they follow for an additional two years. Admission is competitive and limited. The second step of the admission process involves admission to the MD program. In order to be eligible, students must attain a sufficient grade average during the Engineering part of the program (the minimum GPA for W2010 admission was 3.7), must meet minimum performance standards in MCAT, and must attend a personal interview with the Schulich School of Medicine and Dentistry. The MCAT must be written before the third year of Engineering (for the following year’s admission). Students must apply to the MD program by the deadlines established by the Ontario Medical School Application Service (OMSAS). Admission to the Engineering part of the combined program does not guarantee admission to the MD part of the program.


Third year program (2012-2013): Applied Math 3413a, MME 3303a, MME 3379a, MME 3381a, ECE 3373a, MME 3307b, MME 3334b, MME 3360b, MME 3380b, ECE 3374b, Eng Sci 4498G.

Fourth year program (2013-2014): MME 4450a, MME 4425b, regular Year 1 of the MD program.


Seventh year program (2016-2017): MME 4499, regular Year 4 of the MD program less the Advanced Communication Skills course.

Note: Students who are not admitted to the MD program after third year must complete the following courses in their fourth year to obtain the B.E.Sc. degree: MME 4419 or 4499, 0.5 non-technical elective taken from the approved list, six 0.5 Mechanical Engineering technical electives.