

MECHANICAL ENGINEERING, M.ENG.

Mechanical Engineering

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Academic Staff: Please refer to the Mechanical Engineering website (<https://umanitoba.ca/engineering/faculty-staff/mechanical-engineering/>) for current staff listing.

Mechanical Engineering Program Information

The graduate program in the Department of Mechanical Engineering offers a world-class graduate experience leading to degrees in Doctor of Philosophy, Master of Science and Master of Engineering.

Admission Information

Admission to the Faculty of Graduate Studies

Application and Admission Procedures are found in the Academic Guide (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/application-admission-registration-policies/>).

Admission requirements for Master's students are found in the Master's Degrees General Regulations (https://catalog.umanitoba.ca/graduate-studies/academic-guide/masters-degrees-general-regulations/#Admission_FGSMasters) section of the Guide.

Mechanical Engineering M.Eng. Admission Requirements

The Master of Engineering program mainly provides working engineers and internationally trained engineers an opportunity to continue their studies and specialize in an area of interest. Applicants must have a minimum of a B.Sc. degree in Engineering. In exceptional cases, based on the candidate's professional experience, this requirement may be waived by the department.

Application Information

Students should complete and submit their online application with supporting documentation by the date indicated on the Mechanical Engineering M.Eng. program of study (<https://umanitoba.ca/explore/programs-of-study/mechanical-engineering-msc-meng/>) page.

Degree Requirements

The minimum requirement for the award of the M.Eng. degree is 24 credit hours of coursework with at least 9 credit hours at the 7000 level. Of the 24 credit hours, 6 credit hours will be assigned to an approved project and report (GRAD 7050).

All coursework and the project proposal must be approved by the student's advisor. It is the Department's policy that graduate students

shall take no more than 6 credit hours of graduate level courses from one professor.

Expected Time to Graduate: 2 years

Progression Chart

Course	Title	Hours
Year 1		
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
Hours		0
Years 1-2		
Courses at the 7000 level or higher		9
Courses at the 3000 or 4000 level or higher		9
Hours		18
Year 2		
GRAD 7050	M.Eng. Project and Report	6
Hours		6
Total Hours		24

Registration Information

Students should familiarize themselves with the Faculty of Graduate Studies 'GRAD' courses applicable to their program (<https://catalog.umanitoba.ca/graduate-studies/registration-information/>). If you have questions about which GRAD course(s) to register in, please consult your home department/unit.

Courses are subject to cancellation if there is insufficient enrolment. Courses with insufficient enrolment may be cancelled the first week of classes. Not all courses will be offered each year – contact the department for courses that will not be offered. All returning and newly admitted students must see an academic advisor or the department head prior to attempting to register.

Regulations

Students must meet the requirements as outlined in both Supplementary Regulation and BFAR documents as approved by Senate.

Supplementary Regulations

Individual units may require specific requirements above and beyond those of the Faculty of Graduate Studies, and students should consult unit supplementary regulations (<https://umanitoba.ca/graduate-studies/supplementary-regulations/>) for these specific regulations.

Bona Fide Academic Requirements (BFAR)

Bona Fide Academic Requirements (BFAR) (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#BFAR>) represent the core academic requirements a graduate student must acquire in order to gain, and demonstrate acquisition of, essential knowledge and skills.

All students must successfully complete:

- GRAD 7300 prior to applying to any ethics boards which are appropriate to the student's research or within the student's first year, whichever comes first; and
- GRAD 7500 within the first term of registration;

unless these courses have been completed previously, as per Mandatory Academic Integrity Course (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#GRAD7500>) and Mandatory Research Integrity Online Course (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#GRAD7300>).

Students must also meet additional BFAR requirements (<https://umanitoba.ca/graduate-studies/student-experience/core-academic-requirements/#additional-requirements-by-program>) that may be specified for their program.

General Regulations

All students must:

- maintain a minimum degree grade point average of 3.0 with no grade below C+,
- meet the minimum and not exceed the maximum course requirements, and
- meet the minimum and not exceed the maximum time requirements (in terms of time in program and lapse or expiration of credit of courses).