MECHANICAL ENGINEERING, PH.D.

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 doctoral students are found in the Doctor of Philosophy General Regulations (https://catalog.umanitoba.ca/graduate-studies/academic-guide/doctor-philosophy-general-regulations/) section of the Guide.

Mechanical Engineering Ph.D. Admission Requirements

Admission to the Ph.D. program is normally from the Master's degree level. Master's students making exceptional progress while enrolled in their program may be transferred to the Ph.D. program upon the consent of the department head based on recommendations from the student's advisor and an appointed selection committee who investigate the student's qualifications and suitability for Ph.D. study.

Application Information

Students should complete and submit their online application with supporting documentation by the date indicated on the Mechanical Engineering Ph.D. program of study (https://umanitoba.ca/explore/programs-of-study/mechanical-engineering-phd/) page.

Degree Requirements

The Ph.D. program consists of coursework, original research and a thesis. A minimum of 12 credit hours of 7000-level coursework is required beyond the Master's degree. The program of study must be approved by the student's advisor, the advisory committee and the Department Head.

All candidates of the Ph.D. are required to register in MECG 7900. The Ph.D. will not be awarded without a passing grade in MECG 7900, which involves a seminar presentation on research being conducted by the student.

Expected Time to Graduate: 4 years

Progression Chart

Course	Title	Hours
Year 1		
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
	Hours	**0**
Years 1-4		
Courses at the 7000 level or higher		12
	Hours	**12**
Year 2		
GRAD 8010	Doctoral Candidacy Examination	0
MECG 7900	Ph.D. Graduate Research Seminar [1]	1
	Hours	**1**
Years 2-4		
GRAD 8000	Doctoral Thesis	0
	Hours	**0**
	Total Hours	**13**

[1] The Ph.D. degree will not be awarded without a passing grade in MECG 7900, which involves a seminar presentation on research being conducted by the student.

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).