

# MECHANICAL ENGINEERING (NON- THESIS) (M.ENG.) (45 CREDITS)

**Offered by:** Mechanical Engineering (Faculty of Engineering)

**Degree:** Master of Engineering

**Program credit weight:** 45

## Program Description

The Master of Engineering in Mechanical Engineering; Non-Thesis program is a course-based program of 45 credits. The program provides a solid background in mechanical engineering, both in terms of breadth across the entire field and depth in the area of specialty.

**Note:** For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

## Research Project (13 credits)

Expand allContract all

Course	Title	Credits
MECH 603	M. Eng. Project 1.	9
MECH 604	M. Eng. Project 2.	3
MECH 609	Seminar.	1

Note: Industrial liaison is encouraged in these courses taken near the end of the program.

## Required Courses (16 credits)

Expand allContract all

Course	Title	Credits
MECH 605	Applied Mathematics 1.	4
MECH 610	Fundamentals of Fluid Dynamics.	4
MECH 632	Advanced Mechanics of Materials.	4
MECH 642	Advanced Dynamics.	4

## Complementary Courses (16 credits)

A minimum of 16 credits (500, 600, or 700 level) from the Faculty of Engineering may be selected by the student, based on interest and the choice of area of concentration. Courses at the graduate level from other faculties may also be taken, with prior approval from the student's project supervisor and the Graduate Program Director. A maximum of 3 credits of FACC courses at the 500, 600, or 700 level may be credited toward the degree.