

Mechanical Engineering

September 2025 (for students who entered first year in September 2023 or later)

Year 2

Term A

NMM 2270A	Applied Mathematics for Engineering II (Formerly AM 2270A)
MME 2202A	Mechanics of Materials
MME 2204A	Thermodynamics I
MME 2259A	Product Design and Development
MME 2260A	Industrial Materials
Writ 2130F	Building Better (Communication) Bridges: Rhetoric & Professional Communication for Engineers

Term B

NMM 2276B	Applied Mathematics for Elec. & Mech. Engineering III (Formerly AM 2276B)
MME 2200S	Engineering Shop Safety Training
MME 2213B	Engineering Dynamics
MME 2221B	Computational Methods in Mechanical Engineering
MME 2273B	Introduction to Fluid Mechanics and Heat Transfer
MME 2285B	Engineering Experimentation
SS 2143B	Applied Statistics and Data Analysis for Engineers

Year 3

Term A

MME 3325A	Mechanical Vibrations
MME 3303A	Fluid Mechanics II
MME 3348A	Manufacturing Processes
MME 3381A	Kinematics and Dynamics of Machines
MME 3374A	Introduction to Electronics for Mechanical Engineering (the former ECE 3374A)

Term B

MME 3307B	Heat Transfer II
MME 3334B	Thermodynamics II
MME 3350B	System Modelling and Control
MME 3360B	Finite Element Methods in Mechanical Engineering
MME 3380B	Mechanical Components of Design

Year 4

Term A

MME 4499	Mechanical Engineering Design Project
ELI 4110F	Engineering Ethics, Sustainable Development & the Law

One 0.5-credit non-technical elective taken from the approved list
Two 0.5-credit technical electives

Term B

MME 4499	Mechanical Engineering Design Project
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Two 0.5-credit non-technical electives taken from the approved list
Three 0.5-credit technical electives

NOTES:

Important:

Students are responsible for ensuring they have the correct courses required for their degree. If you are unsure which courses you still need or if you see courses listed on the progression sheet that are no longer offered or are not offered in the term you see listed here, please contact your Academic Counsellor.

*Non-technical Electives:

<http://www.eng.uwo.ca/undergraduate/upper-year/electives.html>

Technical Electives

Some technical electives may not be offered in a given academic year. Consult the Department for accurate listing.

MME 3379A	Materials Selection
MME 4410	Mechanical and Materials Engineering Thesis
MME 4423A/B	Internal Combustion Engines
MME 4424A/B	Mechanical Properties of Materials
MME 4425A/B	Mechanical Vibrations
MME 4427A/B	Selected Topics in Mechanical Engineering III
MME 4428A/B	Selected Topics in Mechanical Engineering IV
MME 4429A/B	Nuclear Engineering
MME 4435A/B	Pressure Vessel Design
MME 4437A/B	Advanced CAE: Simulation
MME 4446A/B	Composite Materials
MME 4450A/B	Control Systems: Theory and Practice
MME 4452A/B	Robotics and Manufacturing Automation
MME 4453A/B	Corrosion and Wear
MME 4459A/B	Advanced CAE: Manufacturing Technologies
MME 4460A/B	HVAC II
MME 4469A/B	Biomechanics of the Musculoskeletal System
MME 4470A/B	Medical and Assistive Devices
MME 4473A/B	Computer Integrated Manufacturing (CIM)
MME 4474A/B	Selected Topics in Mechanical Engineering I
MME 4475A/B	Selected Topics in Mechanical Engineering II
MME 4480A/B	Advanced CAE: Reverse Engineering
MME 4482A/B	Fundamentals of MEMS
MME 4483A/B	HVAC I
MME 4485A/B	Fluid Machinery
MME 4487A/B	Mechatronic System Design
MME 4490A/B	Engineering in a Global Context: Advanced Manufacturing <i>*Course with an International Component: see MME office for details</i>
MME 4492A/B	Production Management for Engineers