# Mechatronics Engineering and Business (Option B)

**September 2022** *(for students who entered first year in September 2020)*

## Year 2

### Term A
- NMM 2270A Applied Mathematics for Engineering II
- ECE 2205A Electric Circuits I
- MSE 2200Q Engineering Shop Safety Training
- MSE 2201A Introduction to Electrical Instrumentation
- MSE 2212A Mechanics of Materials
- MSE 2214A Thermodynamics
- CS 1037A Computer Science Fundamentals II
- BUS 2257 Accounting & Business Analysis

### Term B
- NMM 2276B Applied Math for Electrical & Mechanical Eng. III
- MSE 2202B Introduction to Mechatronic Design
- MSE 2213B Engineering Dynamics
- MSE 2233B Circuits and Systems
- MSE 2273B Introduction to Heat Transfer and Fluid Mechanics
- BUS 2257 Accounting & Business Analysis

## Year 3: HBA 1

## Year 4

### Term A
- NMM 3415A Applied Math for Electrical Engineering
- ECE 2277A Digital Logic Systems
- ECE 3330A Control Systems
- MSE 3301A Materials Selection and Manufacturing Processes
- MSE 3310A Electric Motors and Drives
- MSE 3381A Kinematics and Dynamics of Machines
- BUS 4569 Ivey Field Project

### Term B
- ECE 3331B Signal Processing
- ECE 3375B Microprocessors and Microcomputers
- MSE 3302B Sensors and Actuators
- MSE 3360B Finite Element Methods for Mechanical Engineering
- MSE 3380B Machine Component Design for Mechatronic Systems

## Year 5

### Term A
- MSE 4401A Robotic Manipulators
- MSE 4499 Mechatronic Design Project
- SS 2141A Applied Probability and Statistics for Engineers
- ELI 4110F Engineering Ethics, Sustainable Development & the Law

**1.5 HBA required courses**

- International Perspective Requirement: Business 4505A/B.
- Corporations and Society Requirement: 0.5-credit from Business Administration – Corporations and Society offered during the academic year to satisfy this requirement.
- Managerial Accounting Requirement: Business 4624A/B

### Term B
- MSE 4499 Mechatronic Design Project
- Two 0.5-credit technical elective
- Three 0.5 Business courses at the 4000 level

---

The official version of the academic calendar can be found at: [www.westerncalendar.uwo.ca](http://www.westerncalendar.uwo.ca)