# Mechatronic Systems Engineering and Business (Option B)

## September 2017 (students who entered first year in September 2016)

### Year 2:

#### Term A
- AM 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
- AM 2276B Applied Mathematics for Elec & Mech Eng III
- MSE 2202B Introduction to Mechatronic Design
- MSE 2213B Engineering Dynamics
- MSE 2233B Circuits and Systems
- SS 2143B Applied Statistics and Data Analysis for Engineers
- Bus 2257 Accounting & Business Analysis

### Year 3: HBA 1

### Year 4:

#### Term A
- AM 3415A Applied Math for Electrical Engineering
- ECE 2277A Digital Logic Systems
- ECE 3330A Control Systems
- ECE 3332A Electric Machines
- MSE 3301A Materials Selection and Manufacturing Processes
- 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
- Bus 4569 Ivey Field Project

### Year 5:

#### Term A
- MSE 4401A Robotic Manipulators
- MSE 4499 Mechatronic Design Project
- Bus 4505A Global Macroeconomics for Managers
- One 0.5 technical elective
- Bus 4521A/B or 4522A/B or 4532A/B

#### Term B
- MSE 4499 Mechatronic Design Project
- ES 4498G Engineering Ethics, Sustainable Development and the Law
- One 0.5 technical elective
- 2.0 Business electives chosen from 4000 level Business courses.

### Technical Elective List:

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

- ECE 4457A/B Power Electronics
- ECE 4460A/B Real-Time and Embedded Systems
- ECE 4469A/B Applied Control Systems

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