**Pre-Core Courses**
(2 courses if needed)

- EME4603 Introduction to Mechanics (non-ME)
- EME4613 Introduction to Thermal Systems (non-ME)
- EEE2123 Circuits and Electronics (non-EE)
- EME3213 Introduction to Mechatronics
- EEE4513 Control Systems or approval (non-EE)

**MSMSE Program: Core Courses**

- MSE6113 Analytical and Adaptive Dynamics in Mechatronic Syst.
- MSE6123 Mechanical Design of Mechatronic Systems/Robots
- MSE5133 Modern Control in Mechatronic Systems
- MCS5563 Intelligent Control
- MSE6143 Adaptive Control in Mechatronic Syst.
- MSE6153 Optimization in Mechatronic Syst.
- MSE6173 Mechatronic Systems Implementation - I
- MSE6183 Mechatronic Systems Implementation - II

**Thesis or Two Electives**

- MSE6253 Thesis – I
- MSE6263 Thesis – II
- See Elective Courses List
- See Elective Courses List