

**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

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