

Robotics and Autonomous Systems, M.S.

Thesis Option

Code	Title	Semester Credit Hours
Core Requirements		
MHEN 5370	Adv Eng Analysis	3
MHEN 5371	Mechatronic Systems	3
MHEN 5372	Sensors & Actuators Mechatron	3
MHEN 5373	Embedded Mechatronic Sys *	3
Thesis Requirement		
MHEN 5306	Thesis Research	3
MHEN 5306	Thesis Research	3
Approved Electives		12
CSEN 5323	Computer Comm Networks	
EEEN 5303	Advanced Topics in Elec Eng	
EEEN 5338	Digital and DSP Based Control	
MEEN 5328	Dynamic Systems Engineering	
MEEN 5335	Advnd Robotics and Automation	
MEEN 5301	Advanced Probs in Mech Eng	
MEEN 5349	Mechanical Vibrations	
CSEN 5333	Real Time Systems	
EEEN 5329	Adaptive Control	
EEEN 5342	Wireless Communications	
EEEN 5331	Digital Signal Processing	
MEEN 5348	Auto. Sys. and Ind. Controls	
MEEN 5303	Advanced Topics in Mech Eng	
MEEN 5315	Advanced Mechanism Design	
MEEN 5314	Finite Element Methods in Engi	
Total Semester Credit Hours		30

* With the prerequisite of CSEN 5304, MEEN 1320, or equivalent.

Research Project Option

Code	Title	Semester Credit Hours
Core Requirements		
MHEN 5370	Adv Eng Analysis	3
MHEN 5371	Mechatronic Systems	3
MHEN 5372	Sensors & Actuators Mechatron	3
MHEN 5373	Embedded Mechatronic Sys *	3
Research Project Requirement		
EEEN 5305	Graduate Research Project	3
or MEEN 5305	Graduate Research Project	
or CSEN 5305	Graduate Research Project	
Approved Electives		21
CSEN 5323	Computer Comm Networks	

EEEN 5303	Advanced Topics in Elec Eng
EEEN 5338	Digital and DSP Based Control
MEEN 5328	Dynamic Systems Engineering
MEEN 5335	Advnd Robotics and Automation
MEEN 5301	Advanced Probs in Mech Eng
MEEN 5349	Mechanical Vibrations
CSEN 5333	Real Time Systems
EEEN 5329	Adaptive Control
EEEN 5342	Wireless Communications
EEEN 5331	Digital Signal Processing
MEEN 5348	Auto. Sys. and Ind. Controls
MEEN 5303	Advanced Topics in Mech Eng
MEEN 5315	Advanced Mechanism Design
MEEN 5314	Finite Element Methods in Engi

Total Semester Credit Hours
36

* With the prerequisite of CSEN 2304, MEEN 1320, or equivalent.