ROBOTICS ENGINEERING (M.ENG)

Non-thesis only: 30 credits required

All Professional Master of Engineering Programs consist of 10 courses/30 credits. All students are expected to complete a preliminary course plan for their intended degree program. Degree planning worksheets can be found here: https://mage.umd.edu/degree-planning-sheets (https://mage.umd.edu/degree-planning-sheets/)

Course	Title	Credits
Required courses (Take 4 courses):		12
ENPM661	Planning for Autonomous Robots	
ENPM662	Introduction to Robot Modeling	
ENPM667	Control of Robotic Systems	
ENPM673	Perception for Autonomous Robots	
Robotics Programming Elective (Choose at least 1 course):		3
ENPM808	Advanced Topics in Engineering (ENPM808X - Software Development for Robotics)	
ENPM809	Special Topics in Engineering (ENPM809E Python Applications for Robotics)	
ENPM809	Special Topics in Engineering (ENPM809Y Introductory Robot Programming)	
Robotics Electives (Choose at least 2):		6
ENPM808	Advanced Topics in Engineering (ENPM809T Autonomous Robots)	
ENPM640	Rehabilitation Robotics	
ENPM690	Robot Learning	
ENPM692	Manufacturing and Automation	
ENPM645	Human-Robot Interaction	
ENPM663	Building a Manufacturing Robotic Software System	
Other Electives listed above or approved by advisor (Choose 3 courses. See Plan.))		9
Total Credits		**30**