

# Sample Plan of Study: MS Plan B Robotics Area

rev 10/10

## Semester 1

MATH 560 Linear Algebra (3)	
ECE 512 Digital Signal Processing	(3)
ECE 514 Applications of Random Processes	(3)
CS 410 Introduction to Computer Graphics	(4)

## Semester 2

ECE 555 Robot Motion Planning	(3)
CS 510 Image Computation	(4)
MECH 564 Fundamentals of Robot Mechanics and Controls	(3)
MATH 561 Numerical Analysis I	(4)

## Semester 3

CS 612 Topics in Computer Graphics	(4)
ECE 611 Nonlinear Control Systems	(3)
CS 440 Introduction to Artificial Intelligence	(4)

## Semester 4

ECE 666 Topics in Robotics	(3)
ECE 520 Optimization Methods for Control and Communications	(3)
ECE 513 Digital Image Processing	(3)
ECE 612 Robust Control Systems	(3)
MECH 514 Manufacturing and Robotic Systems	(3)

NOTE: This sample plan contains 53 credits of regular coursework. Only 32 credits are required for an M.S. Plan B. Consult the ECE Graduate Student Handbook for complete requirements.