

# Robotics, Minor

The minor in robotics is open to all students in the university. The minor is designed for the student who would like a coherent background in the theory and practice of robotics.

Students need to complete the program requirements with at least three courses that are not part of their major required course work.

## Program Requirements

Complete all courses listed below unless otherwise indicated. Also complete any corequisite labs, recitations, clinicals, or tools courses where specified.

## Required Courses

Code	Title	Hours
ME 3460	Robot Dynamics and Control	4
Complete one of the following:		4
EECE 2210 and EECE 2211	Electrical Engineering and Lab for EECE 2210	
EECE 2160	Embedded Design: Enabling Robotics	

## Electives

Code	Title	Hours
Complete three of the following:		12
EECE 4626	Image Processing and Pattern Recognition	
EECE 4630	Robotics	
EECE 5639	Computer Vision	
EECE 5644	Introduction to Machine Learning and Pattern Recognition	
EECE 5698	Special Topics in Electrical and Computer Engineering	
EECE 5580	Classical Control Systems	
ME 5245	Mechatronic Systems	
ME 5250	Robot Mechanics and Control	
IE 4522	Human-Machine Systems	
IE 5630	Biosensor and Human Behavior Measurement	
CS 4100	Artificial Intelligence	
CS 4610	Robotic Science and Systems	

## GPA Requirement

2.000 GPA required in the minor