

# 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.

## Program Requirements

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

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

## Required Courses

Code	Title	Hours
ME 3460	Robot Dynamics and Control	4
Complete one of the following:		4
EECE 2160	Embedded Design: Enabling Robotics	
EECE 2210 and EECE 2211	Electrical Engineering and Lab for EECE 2210	
EECE 2310 and EECE 2311	Introduction to Digital Design and Computer Architecture and Lab for EECE 2310	

## Electives

Code	Title	Hours
Complete three of the following:		12
CS 4100	Artificial Intelligence	
CS 4610	Robotic Science and Systems	
EECE 4630	Robotics	
EECE 5550	Mobile Robotics	
EECE 5552	Assistive Robotics	
EECE 5554	Robotics Sensing and Navigation	
EECE 5639	Computer Vision	
EECE 5644	Introduction to Machine Learning and Pattern Recognition	
EECE 5580	Classical Control Systems	
IE 4522	Human-Machine Systems	
ME 5245	Mechatronic Systems	
ME 5250	Robot Mechanics and Control	

## GPA Requirement

2.000 GPA required in the minor