Minor in Robotics and Autonomous Systems

The Minor in Robotics and Autonomous Systems consists of a minimum of 16 credit hours, representing fundamental areas of knowledge in the fields of robotics and autonomous systems. Undergraduate students interested in the minor in Robotics and Autonomous Systems must select the coursework with an advisor in order to receive the minor. The main objective of the program is to offer interested students with GPAs of 3.00 or above in any field of study the opportunity to enhance their capabilities in their own profession by developing expertise in the high demand areas of embedded systems, signal processing, robotics, and controls. These courses generally have prerequisites, and their enrollment will need approval by the Electrical and Computer Engineering Department.

Degree Requirements

Enrolled students must complete a minimum of 16 credit hours in consultation with an advisor and maintain a GPA of 3.00 or above.

Degree Plan

Code	Title	Hours
Required Courses:		**10**
ECE 2303	Digital Systems Design I	3
ECE 2103	Lab for ECE 2303	1
ECE 3331	Discrete Time Signals & Sys	3
ECE 3360	Intro Robotics and Auto Syst	3
Prescribed Elective Courses:		
Select at least six credits of the following:		
ECE 3370	Intro to Communication Netwks	
ECE 4332	Real-Time Digital Signal Proc	
EE 4357		
ECE 4338	Systems and Controls	
ECE 4360	Foundations of Deep Learning	
ECE 4390	Special Topics	
ECE 4191	Engineering Problems	
ECE 4190	Special Topics Lab in ECE	
ECE 33XX/ECE43XX ECE elective course (optional by Department approval)		
Total Hours		**16 or more**