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**
EE 2369	Digital Systems Design I	3
EE 2169	Laboratory for EE 2369	1
EE 3353	Discrete Time Signals & System	3
EE 3360	Intro Robotics and Auto Syst	3
Prescribed Elective Courses:		
Select at least six credits of the following:		
EE 3354	Intro to Communication Netwks	
EE 4356	Real-Time Digital Signal Proc	
EE 4357	Biomechatronics	
EE 4364	Systems and Controls	
EE 4365	Foundations of Deep Learning	
EE 4395	Special Topics-Electrical Engr	
EE 4171/4371	Engineering Problems	
EE 4196	Special Topics Lab in ECE	
EE 33XX/EE43XX EE elective course (optional by Department approval)		
Total Hours		**16 or more**