

MINOR IN ELECTRICAL ENGINEERING

Overview

Students must follow these guidelines in order to qualify for this minor:

- No more than 6 credits hours may be taken outside the ECE department.
- Students must maintain a minimum 2.0 grade point average in all ECE courses taken.
- Students with a major in Computer Engineering wishing to add a minor in Electrical Engineering must take 6 Electrical Engineering course credit hours in addition to those needed to satisfy their degree requirements.

Curriculum Requirements

Students wishing to minor in Electrical Engineering should satisfy a 15 credit hour requirement specified as follows:

Code	Title	Credit Hours
Electrical engineering core electives		
ECE 201	Electrical Circuit Theory	3
ECE 202	Electronics I	3
ECE 203	Electrical Circuits Laboratory	1
Select a minimum of 8 credit hours of electrical engineering electives of the following:		8
ECE 206	Circuits, Signals, and Systems	
ECE 211	Logic Design	
ECE 212	Processors: Hardware, Software, and Interfacing	
ECE 301	Electromagnetic Field Theory	
ECE 302	Electronics II	
ECE 303	Electronics Laboratory	
ECE 308	Linear Control Systems	
ECE 315	Digital Design Laboratory	
ECE 316	Structured Digital Design	
ECE 336	Discrete-Time Signals and Systems	
ECE 404	Communication Systems	
ECE 405	Solid-State Electronics	
ECE 417	Embedded Microprocessor System Design	
ECE 436	Digital Signal Processing	
ECE 454	Digital System Design and Testing	
ECE 502	Engineering Acoustics	
ECE 503	Laser Communications	
ECE 504	Fundamentals of Optical Imaging	
ECE 505	Semiconductor Photonic Devices	
ECE 506	Microfabrication	
ECE 532	VLSI Systems	
ECE 533	Random Signals and Noise	
ECE 538	Introduction to Digital Image Processing	
ECE 543	BioNanotechnology	
ECE 540	Digital Speech and Audio Processing	
Total Credit Hours		15