

ELECTRICAL ENGINEERING MINOR

Program Description

This minor provides a foundation in the core principles of Electrical Engineering, preparing students for careers in various fields, including robotics, automotive, biomedical, and power/energy. Students will learn fundamental knowledge in computer programming, digital logic, circuit analysis, and embedded systems which are the heart of most electro-mechanical systems today (microwaves, refrigerators, vehicles, etc.). Students pursuing an Electrical Engineering minor will gain hands-on experience and develop problem-solving, critical thinking, and design skills.

Requirements

Code	Title	Hours
EGNR 101	Introduction to Engineering	2-3
or CSCI 105	Intro to Computer Programming	
EGNR 140	Linear Alg Num Apps Engineers	2
EGEE 125	Digital Fundamentals ¹	4
EGEE 210	Circuit Analysis ¹	4
EGEE 250	Microcontroller Fundamentals	4
MATH 152	Calculus II	4
Select a minimum of six credits of Electives from the following:		6
EGEE 300 or higher		
EGET 300 or higher		
Total Hours		26-27

¹ C or better grade.

At least one elective course must not count toward any other major or minor.