

# MINOR IN ELECTRICAL ENGINEERING

## REQUIREMENTS

Code	Title	Credits
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### Prerequisites

The following courses must be completed before beginning the minor:

APSC 2113	Engineering Analysis I <sup>1</sup>
PHYS 1022	University Physics II <sup>1</sup>
or PHYS 1026	University Physics II with Biological Applications

### Required core

ECE 2110	Circuit Theory
ECE 2115	Engineering Electronics
ECE 2210	Circuits, Signals, and Systems

### Electives

Two of the following:

ECE 3125	Analog Electronics Design
ECE 3130	Digital Electronics and Design <sup>1</sup>
ECE 3220	Introduction to Digital Signal Processing <sup>1</sup>
ECE 3315	Fields and Waves I <sup>1</sup>
ECE 3410	Communications Engineering *
ECE 3520	Microprocessors: Software, Hardware, and Interfacing <sup>1</sup>
ECE 4415	Introduction to Computer Networks <sup>2</sup>
ECE 4425	Data Communications Laboratory <sup>2</sup>
ECE 4610	Electrical Energy Conversion
ECE 4620	Electrical Power Systems
ECE 4710	Control Systems Design <sup>1</sup>

<sup>1</sup> Requires additional prerequisites.

<sup>2</sup> ECE 4415 Introduction to Computer Networks and ECE 4425 Data Communications Laboratory must be taken concurrently.