

# Electrical Engineering, Minor

A minor in electrical engineering is particularly designed for majors in math, science, computer science, or other engineering departments who would like a coherent background in the theory and laboratory practice of electrical engineering. This minor is not open to students in the Department of Electrical and Computer Engineering.

## Minor Requirements

Complete all courses listed below unless otherwise indicated. Also complete any corequisite labs, recitations, clinicals, or tools courses where specified.

This minor is not open to students in the Department of Electrical and Computer Engineering because of overlap with the majors.

Complete a total of four courses for the minor.

Students need to complete the program requirements with at least three courses that are not part of their major required coursework.

## Required Core Course

| Code                           | Title   | Hours |
|--------------------------------|---|-------|
| Complete one of the following: |   | 5     |
| EECE 2150                      | Circuits and Signals: Biomedical Applications   |       |
| EECE 2210<br>and EECE 2211     | Electrical Engineering<br>and Lab for EECE 2210 |       |

## Fundamental Core Courses

| Code                           | Title   | Hours |
|--------------------------------|---|-------|
| Complete two of the following: |   | 9-10  |
| EECE 2412<br>and EECE 2413     | Fundamentals of Electronics<br>and Lab for EECE 2412      |       |
| EECE 2520                      | Fundamentals of Linear Systems                            |       |
| EECE 2530<br>and EECE 2531     | Fundamentals of Electromagnetics<br>and Lab for EECE 2530 |       |

## Electrical Engineering Technical Electives

| Code   | Title   | Hours |
|--|---|-------|
| Fundamentals not taken to satisfy the above requirement may be used as a technical elective. |   |       |
| Complete one of the following:   |   | 4     |
| EECE 4993  | Independent Study   |       |
| ENGR 5670  | Sustainable Energy: Materials, Conversion, Storage, and Usage |       |
| EECE 2322 to EECE 2750   |   |       |
| EECE 3324 to EECE 4698   |   |       |
| EECE 5576 to EECE 5698   |   |       |

## GPA Requirement

2.000 GPA required in the minor