

**MINOR IN ELECTRICAL AND COMPUTER ENGINEERING**  
*Offered and administered by the School of Electrical and Computer Engineering*

**EDUCATIONAL OBJECTIVES**

The School of Electrical and Computer Engineering offers a minor to students who wish to complement their major by obtaining a background in Electrical and Computer Engineering.

The minor offers the opportunity to study analog and digital circuits, signals and systems, electromagnetic, and additionally specialize at higher levels in one of several different areas such as circuit design, electronic devices, communications, computer engineering, networks or space engineering.

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**REQUIRED COURSES**

**Any TWO of the following:**

- ECE/ENGRD 2100, Intro to Circuits for Electrical and Computer Engineers
- ECE 2200/ENGRD 2220, Signals and Information, OR  
ECE 2720/ENGRD 2720, Data Science for Engineers
- ECE/ENGRD 2300, Digital Logic and Computer Organization

**Any TWO of the following:**

- ECE 3030, Electromagnetic Fields and Waves
- ECE 3100, Introduction to Probability and Inference for Random Signals and Systems
- ECE 3140/CS 3420, Embedded Systems
- ECE 3150, Introduction to Microelectronics
- ECE 3250, Mathematics of Signal and System Analysis

**ONE other technical ECE lecture course at the 3000 level or above**

- Minimum of 3 credits.

**ONE other technical ECE lecture course at the 4000 level or above**

- Minimum of 3 credits.

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**ACADEMIC STANDARDS**

The grade point averages for courses used to satisfy the Electrical and Computer Engineering minor must meet the same requirements as the Electrical and Computer Engineering major; a grade of C- or better is required for every course in the minor and a cumulative GPA of at least 2.3 is required for all courses in the minor. At least 6 Electrical and Computer Engineering courses with a minimum of 3 credits each are required.

**MINOR IN ELECTRICAL AND COMPUTER ENGINEERING**

*Return completed form to Sharif Ewais-Orozco [se339] via email  
or Cornell's Secure File Transfer service.*

**STUDENT DETAILS**

Student Name: \_\_\_\_\_ CUID#: \_\_\_\_\_  
Email/Net ID: \_\_\_\_\_ Phone: \_\_\_\_\_  
Major Field: \_\_\_\_\_ Expected Grad. Date: \_\_\_\_\_

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**CLASSES USED FOR THE ECE MINOR**

*Note: The minor must be offered by a department other than that which offers your engineering major(s) and is contingent upon successful completion of the Bachelor of Science degree requirements.*

<b>Department/Course Number</b>	<b>Semester/Year Completed</b>	<b>Credits &amp; Grade</b>
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____

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**SIGNATURE**

*By submitting this information, you certify that the data supplied on this form is accurate and complies with the terms of the ECE minor program.*

Signature: \_\_\_\_\_ Date: \_\_\_\_\_