

# COMPUTER ENGINEERING MINOR

## Introduction

Please click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/electrical-engineering/>) to see electrical engineering department information.

The minor in computer engineering provides an opportunity to gain a more in-depth knowledge of computing technology, programming digital hardware, interfacing digital hardware, internet of things, microcontrollers and microprocessors, sensor technology, as well as computer vision and image processing. The calculus sequence required for most engineering programs is not a prerequisite for the computer engineering minor.

## Program Delivery

- This is an on-campus program.

## Declaring This Minor

- Click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/#policiestext>) to go to information about declaring a major/minor.
- Contact the Department of Electrical Engineering for a Computer Engineering Minor Coursework form.

## General Requirements

Students must satisfy all requirements as outlined below and by the department offering the minor.

- Click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/academic-policies-procedures/>) for information about Academic Policies

## Program Requirements

1. Students must meet all prerequisites for all ELEC courses taken.
2. The minimum GPA is 2.0 with no individual course grade below C-
3. The student's application is subject to department approval.
4. Students may apply minor courses toward their major when applicable.

Code	Title	Hours
<b>Required Courses</b>		
ELEC 1510	Digital Logic	3
or CSCI 1510	Logic Design	
ELEC 1520	Programming for Electrical Engineers	3
ELEC 2520	Embedded Systems	3
ELEC 2531	Logic Laboratory	1
ELEC 3520	Intelligent Systems: IoT & Cyber-Physical Systems	3
<b>Technical Electives</b>		
Select at least one of the following:		3
ELEC 4511	Hardware-Software Interface	
ELEC 4678	Quantum Computing	
ELEC 4727	Machine Vision Systems	

ELEC 4800	Special Topics <sup>1</sup>
<b>Total Hours</b>	<b>16</b>

<sup>1</sup> If related to computer engineering and with approval by the electrical engineering department chair