

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/records-registration/registration/declare-change-major-minor/>) 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.

- CU Denver General Graduation Requirements (<http://catalog.ucdenver.edu/cu-denver/undergraduate/graduation/general-graduation-requirements/>)
- 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
Required Courses		
ELEC 1510 or CSCI 1510	Digital Logic Logic Design	3
ELEC 1520	Programming for Electrical Engineers	3
ELEC 2520	Embedded Systems	3
ELEC 2531	Logic Laboratory	1
Technical Electives		
Select at least one of the following:		3
ELEC 3520	Intelligent Systems: IoT & Cyber-Physical Systems	
ELEC 4511	Hardware-Software Interface	

ELEC 4678	Quantum Computing	
ELEC 4727	Computer Vision & Image Processing Acceleration	
ELEC 4800	Special Topics ¹	
Total Hours		13

- ¹ If related to computer engineering and with approval by the electrical engineering department chair