ELECTRICAL 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.

Electrical engineers use mathematics and physics tools and theory to develop systems ranging from smart electric grids, embedded systems and computer engineering products, integrated electronics, wired and wireless communications, networking sensing and imaging devices, and information technology. Students enrolled in the minor of electrical engineering will be given the opportunity to learn the fundamentals of electrical engineering as well as be introduced to some advanced applications. Students will be exposed to many real world applications and have hands-on engineering design experiences.

Students are encouraged to start this minor in their sophomore year of study.

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 an Electrical 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 any ELEC courses taken.
2. To receive the minor, 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 2132	Circuit Analysis I	3
or ELEC 3030	Electric Circuits and Systems	
ELEC 2142	Circuit Analysis II	3
ELEC 3316	Signals and Systems	3
Junior Electives		
Select one of the following:		3
ELEC 3225	Electronics	
ELEC 3164	Energy Systems	
ELEC 3133	Electromagnetic Fields	
Technical Electives		**6**
Any 2 x 3 hour 4000-level ELEC lecture course or [1]		
Any 2 x 3 hour ELEC 5xxx will count for the minor.		
Total Hours		**18**

[1] Excluding ELEC 4309 Senior Design Project I/ELEC 4319 Senior Design Project II