

Computer Engineering Minor

A student graduating with a Bachelor's Degree from the University of Colorado at Boulder may also receive a Minor in Computer Engineering. The Minor in Computer Engineering provides training in computer engineering beyond the training usually received by science, and mathematics majors. It can also broaden the training of students majoring in other engineering and applied science fields to provide more depth in computer engineering. The goal is to introduce students to the fundamentals of computer engineering and introduce them to a more advanced field. Such skills are important to students who expect to participate in real world situations that increasingly involve computer engineering solutions. This minor requires a minimum of 20 credit hours.

Preparation for the minor:

The prerequisites for ECEN 2120, CSCI 2270 and ECEN 3100 is computing experience such as that provided by CSCI 1300. Note also that ECEN 1400, the ECE freshmen projects course, is available as a freshman elective but not required.

Course Number	Course Title	
<i>Required courses – 17 credits</i>		
ECEN 2120	Computers as Components, includes lab	5 credits
CSCI 2270	Data Structures & Algorithms	4 credits
ECEN 3100	Digital Logic, includes lab	5 credits
ECEN 4593	Computer Organization	3 credits
 <i>ONE of the following areas of emphasis – 3 credits</i>		
ECEN 4583	Software Systems Development	3 credits
ECEN 4613	Embedded Systems Design	3 credits
ECEN 4623	Real Time Systems	3 credits
ECEN 5593	Advanced Computer Architecture	3 credits

Minimum Grades

Students admitted to the Computer Engineering Minor must have a cumulative GPA of 2.700 or better. A cumulative GPA of 2.000 or better is required in courses used to satisfy the requirements of this minor. Each individual course that is counted toward this minor must be passed. A passing grade is a D- or better. Note, however, that a C- or better is required in all prerequisite courses.

COMPUTER ENGINEERING MINOR APPLICATION FORM

Name _____ Student # _____

Current major _____ Current cumulative GPA _____

Minimum Grades: Students admitted to an ECE minor must have a cumulative GPA of 2.700 or better. A cumulative GPA of 2.000 or better is required in courses used to satisfy the requirements of this minor. A passing grade of D- or better is required for all courses for the minor unless the course is a prerequisite course. In that case the minimum acceptable grade is a C-.

Preparation for the minor: The prerequisites for ECEN 2120, CSCI 2270 and ECEN 3100 is computing experience such as that provided by CSCI 1300. Note also that ECEN 1400, the ECE freshmen projects course, is available as a freshman elective but not required..

Entry prerequisite met: _____ Y/N

This form must be completed and signed by the student to declare the minor. A copy of the signed form should be submitted to your own academic advisor prior to graduation verification.

Student signature Date

COURSES COMPLETED: (see the front side of this form for course choices)

COURSE	TERM TAKEN	HOURS	GRADE	POINTS	PREREQ? Y/N
Required courses:					
ECEN 2250					
ECEN 2260					
Area of emphasis prereq:					
Upper Division course:					
Optional courses taken:					

Accepted into minor _____ Minor added to SIS _____
ECE advisor signature

Total Hours Completed Successfully _____ Total Points _____

Final GPA (points / hours) _____

All requirements for this minor have been completed satisfactorily:

ECEN advisor signature Date