The Minor in Electrical and Computer Engineering (ECE) offers students majoring in disciplines other than ECE the opportunity to become familiar with principles and design practices used to meet the multidisciplinary needs of modern technology. This minor is offered by the faculty of the ECE program and is designed to serve students from other engineering disciplines as well as those students with majors outside of engineering. It is assumed that students who pursue the ECE minor will obtain a mathematics background that is comparable to that required for a major in engineering. The ECE minor stipulates 10 semester credit hours of required courses that provide a fundamental grounding in ECE knowledge and design. These courses include an introduction to digital circuit design, theory-based courses in both analog circuits and modern electronics. In addition to these fundamental courses, 3 elective courses assure the students an opportunity to emphasize a particular area of interest.

To Apply
Please complete the online form available at the following link:
http://tinyurl.com/minor-engr

Applications are due by November 1 for Spring admission, and April 1 for Fall admission.

Required Courses: Total 10 sch*
1. Digital I
2. Principles of Electric Circuit Analysis
3. Electronics I

Elective Courses: Choose any three of the following* (students must ensure that they have the appropriate prerequisites for any of the classes)

1. Signals and Systems
2. Systems and Control I (ECE) or Systems Dynamics and Control I (ME)
3. Digital Signal Processing
4. Electrical Communications
5. Computer Architecture
6. Digital II
7. Electronics II
8. Electromagnetics
9. Senior Clinic I or Senior Clinic II
10. An approved ECE elective

*Students must ensure that they have the appropriate prerequisites for any of the classes. Prerequisites for each class can be found in the Banner Course Catalog. Look for the catalog entry for the course that you are interested in taking. Then scroll to the bottom of the page for pre-req information.