

ELECTRICAL & COMPUTER ENGINEERING

The mission of the department of Electrical & Computer Engineering (ECE) at the University of Nebraska is to provide undergraduate and graduate level education in electrical and computer engineering, perform research and other scholarly activities, and furnish service to the state, nation, industry, and the profession. To fulfill this mission, the ECE department offers the degrees of Bachelor of Science in Electrical Engineering and in Computer Engineering, as well as several graduate programs. The faculty takes pride in its high level of interaction with both undergraduate and graduate students.

General Requirements

The following sections apply to the electrical engineering and computer engineering programs. For more details visit the ECE department's website (<https://engineering.unl.edu/ece/>).

Advisement

Upon entry into the curriculum, each student will be assigned an academic advisor. It is required that each student meet with the advisor prior to each class registration period and that all courses to be applied toward the degree be selected with the advice and approval of the advisor.

The student is expected to have his/her academic records reviewed and approval obtained from the ECE department prior to application to the University registrar for awarding of a degree in order to ensure that all curricular requirements have been satisfied by the time of the student's intended graduation.

Curriculum

Because of the rapid developments in the fields of electrical and computer engineering, the curricular requirements are continually reviewed and updated to reflect technological advances. Curricular sequence and course descriptions contained herein are intended to serve as general guidelines. Contact the ECE department for information on any changes to the requirements that are currently in effect but not listed in this catalog.

Students who do not maintain continuous progress toward a degree through enrollment in applicable course work will be considered as new students upon reentering the electrical or computer engineering curricular sequence and will be subject to the requirements of the curriculum current at the time of their reentry. Certain courses may not be valid as prerequisites or as credit toward the degree after two academic years; the student's academic advisor should be consulted regarding applicability. The applicable University catalogs and college academic policies must be followed to ensure the student satisfies all of the Achievement Centered Education (ACE) requirements.

Special Interest Areas

Opportunities are provided for the development of areas of special interest through enrollment in the individual study courses which are offered at the freshman through senior level for the student who may wish to develop a topic under the guidance of a department faculty member. Enrollment is by permission after a written proposal has been approved. Special topics courses are also offered by the department as the need arises. Academic advisers should be consulted regarding the particular topics to be covered and the necessary prerequisites for each offering of this course. Students who expect to continue their education at the graduate level after the award of the baccalaureate degree should consult their advisors regarding course selections that would enhance that objective.

Students are encouraged to develop their professional and leadership potential through participation in student chapters of related professional organizations and in University extracurricular activities. Participation in the University Honors Program is encouraged for those who qualify.

Transfer Course Work

The applicability of transfer course work with engineering content toward credit in the curriculum is determined on a case-by-case basis by the department.

Financial Aid

Numerous opportunities exist for students to obtain financial aid during the course of their academic work at the university. The office of the dean of the college and the campus financial aid office should be consulted to determine the availability of such assistance.

Degrees Offered

- Electrical Engineering (<http://catalog.unomaha.edu/undergraduate/college-engineering/electrical-computer-engineering/electrical-engineering-bs/>)
- Computer Engineering (<http://catalog.unomaha.edu/undergraduate/college-engineering/electrical-computer-engineering/computer-engineering-bs/>)