COLLEGE OF ENGINEERING
Electrical & Computer Engineering

(Revised 2025)

Bachelor of Science, Electrical and Computer Engineering
Computer Engineering Option (Catalogs beginning Fall 2025)

- Students must earn a grade of C or higher in all required ECE courses. These courses are noted with a "*" symbol.
- CE students must complete 8 Technical Electives. A minimum of 5 Technical Electives must be ECE courses. Remaining Technical Electives can be upper-division courses related to your major (e.g., math, physics, engineering, technology) or ECE courses. One technical elective must meet Computer Course Requirement.
- Students must declare advanced standing status between their sophomore and junior semesters in order to take 300/400-level engineering courses. Students must maintain a minimum of 2.5 GPA within their engineering coursework.

Intro to General Ed. Experience
UNIV 101
(1)

Freshman

Sophomore

Junior

Senior

Freshman	Freshman	Sophomore	Sophomore	Junior	Junior	Senior	Senior
Calculus I Math 122A/B or Math 125 (5) or (3)	Calculus II Math 129 (3)	Vect Calc Math 223 (4)	Discrete Math Math 243 (3)	Appl. Engr Math ECE 310* (4)	Technical Elective (3)	Interdiscpl Design ENGR 498A (3)	Interdiscpl Design ENGR 498B (3)
Intro to Engineering ENGR 102 or ENGR 102A/B (3)	Intro Mech Phys 141 (4)	Electr & Magn Phys 241 (4)	Diff Eqn Math 254 (3)	Circuit Theory ECE 320A* (3)	Intro to Comm. ECE 340A* (3)	Required Computer Course (3)	Technical Elective (3)
Chemical Thinking I CHEM 151 (4)	Programming I ECE 101* (4)	Programming II ECE 201* (3)	Basic Circuits ECE 220* (5)	Computer Architecture ECE 369A* (4) FALL ONLY	Electronic Circuits ECE 351C* (4)	Technical Elective† (3)	Technical Elective (3)
1st Year Composition Engl 101 (3)	1st Year Composition Engl 102 (3)	Digital Logic ECE 274A* (4)	Optics & Thermo Phys 143 (2)	Obj Oriented Software ECE 373* (3) FALL ONLY	Microprocessor Org. ECE 372A* (4)	Technical Elective (3)	General Ed. Portfolio UNIV 301 (1)
Exploring Perspective: Artist (3)	Exploring Perspective: Humanist (3)	Exploring Perspective: Social Scientist (3)	Building Connections (3)	Engr Ethics ECE 311* (1)	Building Connections (3)	Technical Elective (3)	Building Connections (3)