Endless career opportunities
From heart-rate monitors and refrigerators to laptops and mobile phones, computerized gadgets are everywhere. More and more of these gadgets are communicating and coordinating through networks to massive cloud computing centers that are distributed around the world. Not only do computer engineers design computers and digital equipment, but they also design software that runs on the computers and develop algorithms that are implemented by the software.

Today’s computer engineers brought us the internet in our connected world. How will you change the future as a computer engineer?

After graduation
UD electrical and computer engineering graduates pursue exciting, rewarding, and successful careers. On average, 70–80% of graduates with a Bachelor of Computer Engineering degree choose employment in private industry, government laboratories and agencies, and non-profit research centers. Approximately 15–20% of computer engineering graduates choose to continue their education toward a master’s or Ph.D. degree, and some graduates will opt to attend medical, law, or business school. Students who earn advanced degrees in engineering usually pursue a career in advanced research in industry or academia.
Computer Engineering Curriculum:
To earn a bachelor’s degree, students must complete 125 credits and meet specific requirements as outlined in the online catalog. See UD Catalog for additional details.

FIRST YEAR

FALL
EGGG 101 - Introduction to Engineering (FYE)
CHEM 103 - General Chemistry
MATH 241 - Analytic Geometry & Calculus A
CISC 106 - General Computer Science for Engineers
Breadth Requirement Elective 1

SPRING
CISC 181 - Introduction to Computer Science II
PHYS 207 - Fundamentals of Physics I
MATH 242 - Analytic Geometry & Calculus B
CPEG 202 - Introduction to Digital Systems
ENGL 110 - Seminar in Composition

SECOND YEAR

FALL
ELEG 205 - Analog Circuits I
CPEG 222 - Microprocessor Systems
MATH 243 - Analytic Geometry & Calculus C
PHYS 208 - Fundamentals of Physics II

SPRING
ELEG 305 - Signals and Systems
ELEG 309 - Electronic Circuit Analysis I
MATH 351 - Engineering Mathematics I
CPEG 298 - ECE Design Challenges
Breadth Requirement Elective 2

THIRD YEAR

FALL
CISC 220 - Data Structures
CPEG 323 - Intro to Computer Systems Engineering
MATH 342 - Differential Equations with Linear Algebra II
Written Communication Elective
Breadth Requirement Elective 3

SPRING
ELEG 310 - Random Signals and Noise
CPEG 324 - Computer Systems Design I
CISC 361 - Operating Systems
CPEG 398 - ECE Design & Entrepreneurship
ELEG Foundation Elective

FOURTH YEAR

FALL
CPEG 498 - Senior Design I (DLE)
CPEG 419 - Computer Communications Networks
ELEG/CPEG 4xx Technical Elective 1
Technical Elective 1
Breadth Requirement Elective 4

SPRING
CPEG 499 - Senior Design II
CPEG 419 - Engineering Ethics
ELEG/CPEG 4xx Technical Elective 2
Technical Elective 2
Breadth Requirement Elective 5