

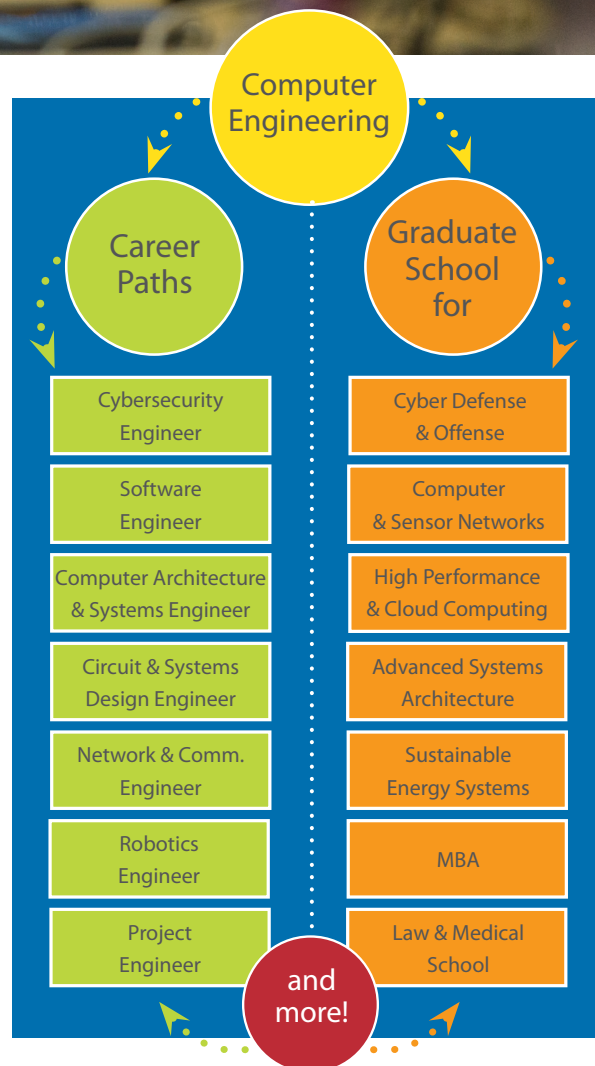
Endless career opportunities

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.





College of Engineering COMPUTER ENGINEERING

Two degrees at once

Talented undergraduates are urged to apply to the ECE department's 4+1 Bachelor of Computer Engineering/Master of Science Electrical & Computer Engineering program. The program allows students to finish both a bachelor's degree and a Masters degree in five years. Students must be accepted into the graduate program, must take 6 of their technical elective credits in 600 level ECE courses acceptable to the ECE graduate program, and must complete all other requirements for the BCpE degree. More information about the programs can be found at the ECE graduate page in the UD catalog.

Career Resources

The Career Services Center can help you determine a major, find internships or full-time jobs, build your resume and cover letter, practice interview skills, apply to graduate or professional school, or network with employers.

Visit udel.edu/csc for details.

Contact us:

Department of Electrical & Computer Engineering
140 Evans Hall
Newark, DE 19716
Phone: 302-831-2405
Email: ece-info@udel.edu
Web: ece.udel.edu

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
ELEG 491 - Ethics and Impacts of Engineering
ELEG/CPEG 4xx Technical Elective 2
Technical Elective 2
Breadth Requirement Elective 5