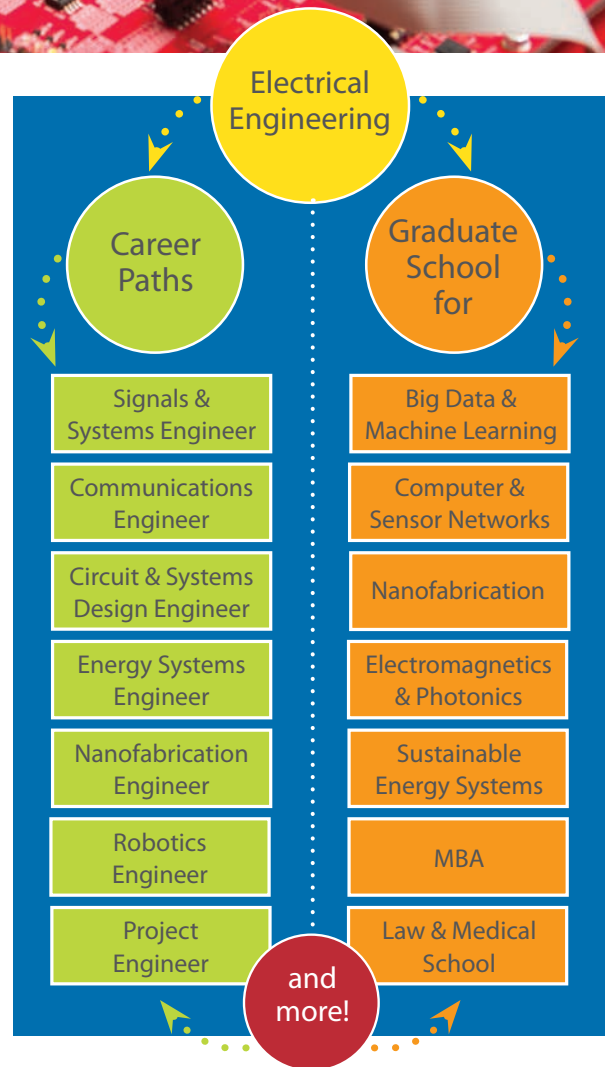


Endless career opportunities

Entrepreneurship is the driving force for innovation and growth in the global economy, and UD's educational and research programs provide numerous opportunities to explore the driving force that underlies the continued competitiveness, success, and prosperity of society.

Undergraduate laboratory experiences give students the chance to practice skills they learn in classes on real devices and to see first hand the physics that they describe mathematically in classes. Because of our lab courses, upon graduation our students not only understand the technical world but also have the skills and experience to change it. Our electrical engineering students, faculty, and alumni have helped launch a multitude of entrepreneurial success stories over the years. They continue to change the world with their spirit of innovation, passion for technology, and technology transfer.

Electrical engineering students at UD benefit from a broad array of experiential learning opportunities, including robust senior design and undergraduate research programs, as well as our new Vertically Integrated Projects program, which unites undergraduate education and faculty research in a team-based context. Many of our undergraduates publish papers in scholarly journals or attend conferences all over the country before receiving their bachelor's degree.





Two degrees at once

Talented undergraduates are urged to apply to the ECE department's 4+1 Bachelor of Electrical Engineering (BEE)/ Master of Science Electrical & Computer Engineering (MSECE) program. The program allows students to finish both a bachelor's degree and a master's 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 BEE 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

Electrical 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
- ELEG 298 - ECE Design Challenges
- Breadth Requirement Elective 2

THIRD YEAR

FALL

- ELEG 313 - Electromagnetic Field Theory
- ELEG 340 - Solid State Electronics
- MATH 342 - Differential Equations with Linear Algebra II
- Written Communication Elective
- Breadth Requirement Elective 3

SPRING

- ELEG 310 - Random Signals and Noise
- ELEG 398 - ECE Design & Entrepreneurship
- ELEG Foundation Elective 1
- ELEG Foundation Elective 2
- Technical Elective 1

FOURTH YEAR

FALL

- ELEG 498 - Senior Design I (DLE)
- ELEG Foundation Elective 3
- ELEG/CPEG 3xx Technical Elective
- Technical Elective 2
- Breadth Requirement Elective 4

SPRING

- ELEG 499 - Senior Design II
- ELEG 491 - Ethics and Impacts of Engineering
- ELEG/CPEG 4xx Technical Elective 1
- ELEG/CPEG 4xx Technical Elective 2
- Breadth Requirement Elective 5