

ELECTRICAL AND COMPUTER ENGINEERING (ENEE)

Graduate Degree Program
College: Engineering

Abstract

The Department of Electrical and Computer Engineering (ECE) at the University of Maryland, College Park offers one of the strongest and most highly-ranked programs in the nation. Led by 94 full-time and affiliate faculty members and 50 research faculty and postdocs, the research programs of the department cover a wide spectrum of activities in the areas of:

- Communications, Networking, and Information Theory (CNIT)
- Signal Processing and Machine Learning (SPML)
- Control, Robotics, Autonomy, and Learning (CRAL)
- Computer Architecture (CMAR)
- Embedded and Cyber-Physical Systems (ECPS)
- Cybersecurity and Cyberprivacy (CYSP)
- Quantum Technologies (QUTE)
- Applied Physics and Electromagnetics (APHE)
- Optics and Photonics (OPTP)
- Electronic Materials and Devices (ELMD)
- Power Electronics, Solid State Circuits, and Bioelectronics (PECB)

Our close affiliation with a number of research institutes such as the Institute for Systems Research, the Institute for Advanced Computer Studies, the Institute for Research in Electronics and Applied Physics, the Institute for Physical Science and Technology, and the Maryland Center for Integrated Nano Science and Engineering provides to our students and researchers the opportunity for team-oriented, cross-disciplinary research and access to the institutes' state-of-the-art laboratories.

ECE is a large department that offers a broad range of programs and research opportunities. Its research innovations are aimed at helping government and industry face today's most difficult global challenges. Employers and peer institutions recognize the prestige of Maryland's engineering programs.

Maryland's proximity to Washington, DC, offers unique research opportunities with national and government laboratories such as NASA's Goddard Space Flight Center, the National Institutes of Health, the National Institute of Standards and Technology, and the Army and Navy Research Labs. No other top Engineering program in the U.S. can provide such close proximity and access to national laboratories, federal government, and the Department of Defense.

The Department of Electrical and Computer Engineering offers graduate study leading to the Master of Science and Doctor of Philosophy degrees.

For additional information about the department's programs and research, please visit [ece.umd.edu](http://www.ece.umd.edu) (<http://www.ece.umd.edu>).

Financial Assistance

Financial aid is available to graduate students in the form of research assistantships, teaching assistantships, and fellowships. Details are available in the ECE Graduate Handbook (<http://www.ece.umd.edu/>

handbook/). Applicants for admission are automatically considered for these packages provided they mark "yes" for financial assistance on the application form and submit their materials by the preferred deadline.

Contact

Graduate Studies Office
Department of Electrical and Computer Engineering
2434 A.V. Williams Building
8223 Paint Branch Drive
University of Maryland
College Park, MD 20742
Telephone: 301.405.3681
Fax: 301.405.8728
Email: ecegradstudies@umd.edu

Website: <http://www.ece.umd.edu>

Courses: ENEE (<https://academiccatalog.umd.edu/graduate/courses/enee/>)

ADMISSIONS

General Requirements

- Statement of Purpose
- Transcript(s)
- TOEFL/IELTS/PTE (international graduate students (<https://gradschool.umd.edu/admissions/english-language-proficiency-requirements/>))

Program-Specific Requirements

- Letters of Recommendation (3)
- Graduate Record Examination (GRE) (optional)
- CV/Resume
- Writing Sample (optional)

For the most current and detailed information regarding ECE graduate admissions and deadlines, please refer to our ECE Graduate Admissions (<http://www.ece.umd.edu/grad/admissions/>) web page. Applicants must follow all instructions detailed on this web page.

For admission to the graduate programs in electrical and computer engineering, students must hold an undergraduate degree in electrical or computer engineering or related field (math, computer science, physics, or other areas of engineering) and have an overall grade point average of B+ or better. In exceptional cases, students with a lower GPA may also be admitted. Other criteria include overall academic record, strength of recommendations, GRE score, and adequacy of preparation. Applicants are competitively judged by a faculty committee.

Application Deadlines

Type of Applicant	Fall Deadline
Domestic Applicants	
US Citizens and Permanent Residents	March 27, 2026
International Applicants	
F (student) or J (exchange visitor) visas; A, E, G, H, I and L visas and immigrants	February 27, 2026

RESOURCES AND LINKS:

Program Website: <http://www.ece.umd.edu>

Application Process: www.gradschool.umd.edu/admissions (<http://www.gradschool.umd.edu/admissions/>)

REQUIREMENTS

- Electrical and Computer Engineering, Doctor of Philosophy (Ph.D.) (<https://academiccatalog.umd.edu/graduate/programs/electrical-computer-engineering-enee/electrical-computer-engineering-phd/>)
- Electrical and Computer Engineering, Master of Science (M.S.) (<https://academiccatalog.umd.edu/graduate/programs/electrical-computer-engineering-enee/electrical-computer-engineering-ms/>)

FACILITIES AND SPECIAL RESOURCES

For detailed information on the department's research institutes and laboratories, please see the ECE Research Overview (<https://ece.umd.edu/research/>).