UW ECE BACHELOR'S PROGRAM

TRANSFER / NON-DTC STUDENTS

BACHELOR OF SCIENCE

The University of Washington Bachelor of Science in Electrical & Computer Engineering (BSECE) degree prepares students to design and build hardware and software for a variety of devices that use electricity, electromagnetics, photonics and quantum phenomena, such as robots, smartphones, lasers, electric power, vehicle control, medical devices and much more.

UW ECE BY THE NUMBERS

767 undergraduate students enrolled in the 2023 autumn quarter.

GETTING INVOLVED

50+ student clubs and competitions in the College of Engineering, including the IEEE student branch and the Advanced Robotics Club

65% of students in UW ECE pursue at least one internship.

52 research labs in the department, in which students have the opportunity to pursue undergraduate research

POST GRADUATION

23% of UW ECE students go on to pursue graduate studies following graduation.

$82,500 Average annual starting salary for UW ECE graduates

Top **9** employers (in order of hires): Amazon, Boeing, Microsoft, Philips, General Motors, Honeywell, Oracle, T-Mobile, Texas Instruments

RESEARCH AREAS

Our research brings us to the forefront of innovation. UW ECE's world-class resources and facilities offer the perfect platform for active collaboration, redefining possibilities in robotics, nanotechnology, electromagnetics, data science, computers and energy. Our ongoing work continues to push the boundaries of modern science and helps to direct the future of hardware and integrated systems.
Research areas include:

Data Science

Biosystems

Computing & Networking

Electronic, Photonic, & Integrated Quantum Systems

Power & Energy Systems

Robotics & Controls

PATHWAYS

Electrical and Computer Engineering has a flexible curriculum that allows students to craft a degree plan tailored to their interests by either pursuing a broad ECE degree or specializing in specific pathways.

To view some possible pathways, please visit:

www.ece.uw.edu/academics/bachelor-of-science/bsece/pathways/

INTERESTED IN APPLYING?

For application information, please visit:
www.ece.uw.edu/academics/bachelor-of-science/bs-admissions-requirements/

ADMISSIONS

The UW BSECE is a capacity-constrained major. If you are a UW student and have not been admitted to the College of Engineering, it's important to note that demand for engineering degrees far exceeds available space in classes; admission is not guaranteed and you should be prepared to pursue an undergraduate major outside of the College of Engineering.

For more information, please visit:
www.engr.washington.edu/

The departmental application deadline is **April 5** of every year for an Autumn start date of that same year.

For transfer students, information about deadlines to apply to the UW can be found at:
admit.washington.edu/apply/dates-deadlines/

ADMISSIONS REQUIREMENTS

To be eligible for admission, you must have:

- Grade of 2.0 or higher in each prerequisite course
- Minimum 2.5 cumulative GPA in courses required for application
- CSE 122 (or CSE 123 or CSE 142)
- MATH 124, MATH 125, MATH 126 (or MATH 134, MATH 135, MATH 136)
- PHYS 121, PHYS 122 (or PHYS 141, PHYS 142)
- 5 credits English composition; all completed prior to application deadline.

Additional course requirements that must be completed prior to the start of autumn quarter:

- CSE 123 (or CSE 143)
- MATH 207 (unless MATH 135 was completed)
- Two courses from the following list:
  - BIOL 130
  - BIOL 220
  - CHEM 142 (or CHEM 143 or CHEM 145)
  - MATH 208
  - MATH 224
  - PHYS 123

ELECTRICAL & COMPUTER ENGINEERING
UNIVERSITY of WASHINGTON

Questions? Contact us at:
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