UW ECE BACHELOR’S PROGRAM
DIRECT TO COLLEGE (DTC) STUDENTS

The University of Washington Bachelor of Science in Electrical Engineering (BSEE) 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

648 undergraduate students enrolled in the 2019-20 academic year

GETTING INVOLVED

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

52% of students in the BSEE program pursue at least one internship

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

POST GRADUATION

30% of UW ECE students go on to pursue graduate studies following graduation

$87,522 Average annual starting salary for UW ECE graduates

Top 9 employers (in order of hires): Boeing, Microsoft, Honeywell, Intel, Apple, Amazon, Philips, T Mobile, Lockheed Martin
AREAS OF IMPACT

Engineering Undeclared (ENGRUD) students explore the 12 different majors within the College of Engineering by learning about engineering areas of impact. There are many ways to interact with all of the areas of impact within Electrical and Computer Engineering. We encourage students to speak with ECE Advising to learn more!

ADMISSIONS:

Freshman applicants who meet UW admissions criteria and who list an engineering department (or Engineering-undecided) as their first choice major on their application will automatically be considered for Direct to College admission.

For more information about Direct to College admission visit:
https://www.engr.washington.edu/admission/directtocollege/faq

PLACEMENT ELIGIBILITY:

To be eligible for placement in the UW ECE program, you should have:

- Grade of 2.0 or higher in each prerequisite course
- Minimum 2.5 cumulative GPA in the courses required for placement
- Completed the following prerequisite courses or equivalent prior to the application deadline:

For ENGRUD students who entered in Fall 2019:

MATH 124, 125, 126 - 15 credits
CHEM 142 - 5 credits
PHYS 121, 122 - 10 credits
ENGL 131 or other composition course - 5 credits

For ENGRUD students entering Fall 2020 and beyond:

E-FIG (ENGR 101 and GEN ST 199) - 2 credits
MATH 124, 125, 126 - 15 credits
CHEM 142 - 5 credits
PHYS 121 - 5 credits
ENGL 131 or other composition course - 5 credits
Choose 1: CSE 142, PHYS 122, or PHYS 123

ENGRUD students should meet with their assigned engineering advisor for questions about how and when to request placement into a major.

CONCENTRATIONS

To gain technical expertise, students must select at least one major concentration. Concentrations to choose from include:

- Advanced Electronic and Photonic Devices
- Biomedical Instrumentation
- Communications
- Controls
- Digital Signal and Image Processing
- Digital VLSI
- Embedded Computing Systems
- Integrated Systems
- Neural Engineering
- Power Electronics and Drives
- Sustainable Power Systems

Questions about ECE? Contact us at:
undergrad@ece.uw.edu | ece.uw.edu