



# 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

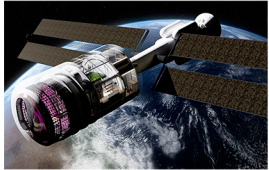
BACHELOR OF SCIENCE



## 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!

### AIR & SPACE



### COMPUTING, DATA & DIGITAL TECHNOLOGIES



### ENVIRONMENT, SUSTAINABILITY & ENERGY



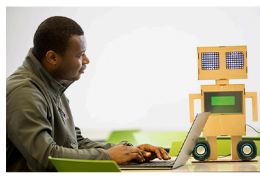
### HEALTH & MEDICINE



### INFRASTRUCTURE, TRANSPORTATION & SOCIETY



### ROBOTICS & MANUFACTURING



## 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**

## ADMISSIONS:

Freshman applicants who meet UW admissions criteria and who list an engineering department (or Engineering-undeclared) 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.

