



UW ECE BACHELOR'S PROGRAM

TRANSFER STUDENTS / NON-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

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 and Networking



Photonics and Nano Devices



Power and Energy Systems



Robotics and Controls



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:

Located in Seattle, Washington, the BSEE is a capacity-constrained major program, with admitted students having an average cumulative 3.5 - 3.7 GPA.

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/

PREREQUISITES:

The following prerequisites must be completed with a grade prior to the application deadline:

- Calculus I, II, III (Math 124/125/126 at UW)
- Composition (English 131 or other courses at UW)
- Physics I, II (Physics 121/122 at UW)
- General Chemistry with lab (Chemistry 142 at UW)

In addition, the following courses must be completed before the start of autumn quarter:
PHYS 123 — 5 credits
MATH 307 — 3 credits

INTERESTED IN APPLYING?

For application information, please visit:
ece.uw.edu/academics/bs/admissions/