



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

695 undergraduate students enrolled in the 2021 autumn quarter.

GETTING INVOLVED

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

63% 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

24% 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): 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**

INTERESTED IN APPLYING?

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

ADMISSIONS:

The UW BSEE is a capacity-constrained major. Admitted students have an average cumulative GPA range of 3.5 - 3.7.

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 should have:

- Grade of 2.0 or higher in each prerequisite course
- Minimum 2.5 cumulative GPA in courses required for application
- A minimum of 60 credits completed by the application deadline
- Completed the following prerequisites 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 207 (formerly MATH 307)* — 3 credits

*As of autumn 2021, MATH 307, MATH 308, MATH 309, and MATH 324 are renumbered as MATH 207, MATH 208, MATH 209, and MATH 224, respectively. Students can apply either the 200- or 300-level number for each course toward their degree requirements.

