THE FUTURE IS WHAT WE DO

ELECTRICAL & COMPUTER ENGINEERING

SEATTLEU
COLLEGE OF SCIENCE AND ENGINEERING

Study Electrical and Computer Engineering at Seattle U!

Join a group of daring visionaries and bright minds who engage, imagine and invent. Become a master of power, energy, physical computing, embedded systems and more, so you can turn science fiction into real-life solutions that can change the world!

Electrical and computer engineers are in high demand, with competitive starting salaries and a host of exciting careers to choose from. Here, in the urban heart of Seattle, you'll be surrounded by leading companies ready to hire you. Whether you choose to pursue a BS in Computer Engineering or a BS in Electrical Engineering, our programs will take you where you want to go!

CHOOSE YOUR PATH.
CHOOSE YOUR DEGREE.

Connect with the career you want!

Put theory into practice through courses and labs that support innovation and active learning. Network with professionals at seminars and mentorship events.

COMPUTER ENGINEERING:
WHERE VIRTUAL MEETS PHYSICAL

Do you want to specialize in the design of computers, computer systems and other digital devices? Choose a BS in Computer Engineering! You'll be prepared for a career in digital communication systems, connected vehicles, robotics, consumer electronics or software engineering.

In our program, you'll build a strong foundation in digital circuits and electronics, embedded systems, computer networks and software associated with computing systems. You'll explore new territory in machine learning, physical computing and Internet of Things. Upon graduation, you'll be uniquely positioned to advance computing technology through skills gained in hardware and software design, and a codesign of the two, also known as systems integration.

ELECTRICAL ENGINEERING:
DESIGN FOR AN EVER-CHANGING WORLD

If your goals include a career in electronics, wireless communications, signal processing, power or control systems, you've come to the right place. You will explore these and other topics while pursuing your BS in Electrical Engineering. Our experiential curriculum will prepare you for a wide range of careers, from communication to instrumentation, power engineering, renewable energy, smart grids and microelectronics.

Project-driven, self-directed learning is integrated throughout our curriculum. You will build your knowledge and expand your horizons as you gain the skills you need for a career in digital or analog electronics, communications and signal processing, and new power and energy technologies that are transforming the world. You can choose your area of specialization and prepare for the career you really want.

LOOK WHO'S HIRING! You'll find our graduates at:

Microsoft
Seattle City Light
Honeywell Aerospace
Crane Aerospace / Boeing
Amazon / Puget Sound Energy
Kenworth Truck Company / T-Mobile
Intel / Texas Instruments / Hewlett Packard
General Electric / Puget Sound Naval Shipyard

"Through our humanitarian engineering activities in rural Africa, our students have the opportunity to apply what they've learned in the classroom, while improving people's lives."

HENRY LOUIE, PhD
PROFESSOR

COME SEE US!

Call 206-296-5970 or email ecedept@seattleu.edu

"Welcome to our inclusive, supportive and academically challenging learning environment. With personal attention from faculty, mentoring from professionals, and collaborative hands-on projects, you'll be inspired to excel and to innovate."

AGNIESZKA MIGUEL, PhD
ASSOCIATE PROFESSOR AND CHAIR

A YEAR-LONG CAPSTONE PROJECT THAT FEELS LIKE AN INTERNSHIP

Your experience culminates with an engineering design project sponsored by one of our industry partners. Tackle a real-world problem in September and deliver a working prototype or proof of concept in June. You'll graduate with vital skills employers are looking for:

- Leadership and teamwork
- Project management
- Critical thinking and problem-solving
- Technical writing and oral communication

GET CREATIVE IN OUR MAKER SPACE

Get your hands on emerging technologies in our innovation lab. It's a safe place to experiment, learn new techniques and prototype your ideas.

PUT YOUR VALUES INTO ACTION

Participate in a humanitarian engineering project that can change the world! You can help deliver electricity to developing countries, or join a team focused on conservation and sustainability.

INTERESTED IN RESEARCH? LET US KNOW!

You may collaborate with a faculty researcher exploring new frontiers in machine learning, Internet of Things or off-grid electrification.