Electrical & Computer Engineering

@ Western

Electrical engineering is a branch of engineering that focuses on the technology of electricity.

Electrical engineers work with a wide range of components, from tiny computer chips to large generators. Computer engineering is comprised of electrical engineering and computer science, and uses those principals to create computer hardware and software. Essentially, electrical and computer engineers are responsible for all things electric inside of the electronic technology we use every day!

- ABET Accredited
- Bachelor's of Science
- 145-150 major credits

Student Spotlight

"The best thing in the world is to come up with a design, build it, and see it work as intended. The coursework is rigorous, and the professors are really good about basing a lot of the work in real-world examples."

- Cole Rogers: Electrical Engineering, Energy Concentration

Learn More
Two academic concentrations: 
**Electronics and Energy.**

**ELECTRONICS**
Electronics courses involve the development, design, and application of circuits, devices, and firmware for embedded systems. Content includes digital and analog electronics, embedded microcontrollers, communications, controls, and digital signal processing.

**ENERGY**
Energy courses include a combination of advanced electrical engineering courses and interdisciplinary courses in the sciences, economics, policy, and the environment. Topics deal with the sources, generation, control and utilization of electric power, energy conversion and storage, and smart power.

**Major Timeline**

1. Apply to WWU and declare your pre major
2. Take pre major courses in year one
3. Apply to major - end of year one

**Questions?**
Contact ENGD@wwu.edu or 360 650 3380

**Admissions & Advising**

Lisa Ochs  
Pre Major Advisor  
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360 650 4132

Dr. Todd Morton  
Program Director  
Todd.Morton@wwu.edu  
360 650 2918

Admissions to this major is competitive. Your pre major advisor and program director are here to help!

**Create**

**Design**

**Explore Electrical Engineering**

At Western Washington University