

## Bachelor of Science in Electrical Engineering

The Electrical Engineering program offers study in all areas fundamental to Electrical Engineering and the electrical sciences: circuit analysis and design, electronics, communications, electromagnetics, controls, solid state, system analysis, and microelectromechanical systems (MEMS), bioelectrical devices and systems, and power engineering. Basic concepts are augmented with well-equipped laboratories in circuits, electronics, digital systems, microwave techniques, wireless circuits & systems, and controls and communications. In addition, a general-purpose computer facility, a microprocessor and digital signal processing laboratory, and a microelectronics fabrication, design/test and metrology laboratory are available.

### Entry-Level Positions

[Electrical Engineer](#)

[Firmware Engineer](#)

[Integrated Systems Engineer](#)

### Curriculum Information

[Electrical Engineering Eight Semester Plan](#)

### Positions with a Graduate Degree

[Engineering Teachers, Postsecondary](#)

### Professional Organizations and Related Resources

[Institute of Electronics and Electrical Engineers](#)

[Institute of Electronics and Electrical Engineers - Power and Energy Society](#)

[National Society of Professional Engineers](#)

[Sloan Career Cornerstone Center](#)

[Society of Women Engineers](#)

[American Society for Engineering Education](#)

### Where else can I find information on this major?

[Occupational Outlook Handbook](#)

[O\\*Net Online](#)

[USF Career Services](#)