



The **Bachelor of Science** in

Electrical Engineering

Follow in Edison's footsteps.

Electrical engineering includes the study, design and application of equipment, devices and systems which use electricity, electronics and electromagnetism. Electrical engineers are an integral part of the manufacturing and processing industries' workforce. Their knowledge and command over signal processing, design and communication, and their computer skills make them essential and indispensable. The field of electrical engineering has grown into a number of specialized categories, including power generation and transmission systems, motors, batteries and control systems, radio frequency (RF) systems, telecommunications, remote sensing, signal processing, digital circuits, instrumentation, audio, video and optoelectronics.

The Bachelor of Science in Electrical Engineering

The University of Missouri–St. Louis and Washington University in St. Louis Joint Undergraduate Engineering Program combines strengths of the two universities to provide a flexible engineering program for the St. Louis Community.

- First two years at UMSL for pre-engineering and general education courses.
- Transition to the Wash U campus to complete upper-level engineering courses.
- Afternoon and evening schedules allow students to take advantage of internships and co-op positions.
- Employers regularly engage with the Joint Engineering Program and use internships and co-ops as a pathway for talent.
- Professors are industry professionals with graduate degrees and tenured WUSTL faculty.
- Students may attend part time or full time.
- Scholarship opportunities from UMSL and the Engineering Program are available.
- The Engineering Program matches quality with affordability. The cost for engineering courses is the UMSL tuition plus a fee.

UMSL

University of Missouri–St. Louis

Fully accredited.

The Bachelor of Science in Electrical Engineering is earned through the University of Missouri St. Louis/Washington University Joint Undergraduate Engineering Program and is accredited by the Engineering Accreditation Commission of ABET.

Prepare for evolving expectations.

The Joint Undergraduate Engineering Program provides a high quality engineering education that prepares students to meet the evolving expectations of industry. The program seeks to impart an education that inspires graduates to share their knowledge with others, to continually improve their knowledge and understanding, and to persistently adapt to change in technology and world needs. The program strives to excite and nurture the intellectual, technical, professional and personal development of students through a partnership that provides a mechanism for Washington University to share its campus, resources and personnel with UMSL students. The Joint Program educates students from the diverse St. Louis community by providing the skills needed to enter the engineering profession.

Serious Education. Serious Value.

The Bachelor of Science in Electrical Engineering is designed to provide specialized knowledge, skills and training in a flexible format. You'll learn from highly qualified educators and researchers who hold terminal degrees from some of the world's most prestigious academic institutions.

The University of Missouri–St. Louis provides the knowledge, resources, tools, skills and support students need to be successful in our programs. Our comprehensive student support services include workshops, tutoring and career services to help you develop skills and strategies to be successful in the classroom and beyond. UMSL welcomes transfer students and our transfer specialists will assist you with getting the most transfer credits possible. We're also committed to increasing access to higher education, and as such, UMSL is consistently ranked number one in affordability in the St. Louis region.

Learn more at engineering.umsl.edu

The University of Missouri–St. Louis is the largest public research university located in Missouri's most populous and economically important region. UMSL provides high-quality, affordable education to one of the most diverse student bodies in the state. No university is better connected to the surrounding region than UMSL. Seventy-three percent of our graduates stay in St. Louis. The metropolitan area needs individuals who are well-equipped to teach the region's population and UMSL is prepared to meet that need. Choose the University of Missouri–St. Louis for electrical engineering.

Career Opportunities

Communication Networks
Defense and Aerospace Electronics
Energy Generation and Distribution
Motor and Actuator Development
Security Systems

Joint Engineering Program

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CHOOSE UMSL