



The **Bachelor of Science** in

# Mechanical Engineering

## **Design and build solutions.**

Mechanical engineering is one of the broadest engineering fields. Mechanical engineers design and oversee the manufacture of many products ranging from medical devices to new batteries. They research, design, develop, build and test mechanical and thermal sensors and devices including tools, engines and machines. They also design power-producing machines such as electric generators, internal combustion engines, steam and gas turbines as well as power-using machines such as refrigeration and air-conditioning systems.

## **The Bachelor of Science in Mechanical 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** | Joint Engineering  
University of Missouri–St. Louis  
*with Washington University in St. Louis*

## Fully accredited.

The Bachelor of Science in Mechanical 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 changes 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 a diverse community by providing the skills needed to enter the engineering profession.

## Serious education. Serious value.

The Bachelor of Science in Mechanical Engineering is designed to provide specialized knowledge, skills and training in a flexible format. You'll learn from highly qualified educators, practitioners 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](http://engineering.umsl.edu)

## Career Opportunities

Alternative Energy  
Automotive Engineering  
Biomechanics  
Environmental Control  
Robotics Developments and Applications

### Joint Engineering Program

1 University Blvd  
216 Benton Hall  
St. Louis, MO 63121  
314-516-6800  
[umslengineering@umsll.edu](mailto:umslengineering@umsll.edu)  
[engineering.umsll.edu](http://engineering.umsll.edu)

### Office of Admissions

1 University Blvd.  
351 Millennium Student Center  
St. Louis, MO 63121  
314-516-5451  
[admissions@umsll.edu](mailto:admissions@umsll.edu)  
[admissions.umsll.edu](http://admissions.umsll.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 region needs a workforce well-equipped to provide engineering solutions for the region's population and UMSL is prepared to help you meet that need. Choose the University of Missouri–St. Louis for mechanical engineering.

# CHOOSE UMSL