

Engineering Technology

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<https://engineering.missouri.edu/eit> (<https://engineering.missouri.edu/eit/>)

Engineering Technology program prepares graduates to apply basic mathematics, science, engineering, and technology principles and technical skills that enable them to engage in a variety of engineering technology projects. Coursework includes various engineering technology topics, including laboratory and design projects that lead to careers in manufacturing systems, mechatronics, and general engineering technology areas. The degree program offers pathways for high school students, community college students, and nontraditional students. Graduates will develop understanding of engineering principles along with critical leadership skills and hands-on expertise in solving technical engineering problems. Graduates are prepared to work in industries, such as industrial automation, robotics, semiconductors, medical technology, product design, energy, consulting, and management.

Faculty

Professor H. Salim**

Associate Teaching Professor M. Klote

* Graduate Faculty Member - membership is required to teach graduate-level courses, chair master's thesis committees, and serve on doctoral examination and dissertation committees.

** Doctoral Faculty Member - membership is required to chair doctoral examination or dissertation committees. Graduate faculty membership is a prerequisite for Doctoral faculty membership.

Undergraduate

- BS in Engineering Technology (<https://catalog.missouri.edu/collegeofengineering/engineeringtechnology/bs-engineering-technology/>)
 - with emphasis in Manufacturing (<https://catalog.missouri.edu/collegeofengineering/engineeringtechnology/bs-engineering-technology-emphasis-manufacturing/>)
 - with emphasis in Mechatronics (<https://catalog.missouri.edu/collegeofengineering/engineeringtechnology/bs-engineering-technology-emphasis-mechatronics/>)

Advising Contact

Engineering Advising Office

Phone: 573-884-6961

Email: muengrading@missouri.edu

Website: <https://engineering.missouri.edu/student-services/advising/>

Scholarship Information Contact

Molly Horn (college contact)

mphorn@missouri.edu

This degree program is offered by the College of Engineering. Career opportunities include database administration, web design, cyber security, game development, film production, and more.

Admission Requirements

- Students pursuing a BS in Information Technology must meet MU's General Admission Standard to be considered a Direct Program Admit.

Program Educational Objectives

The Engineering Technology (ET) Program educational objectives have been developed to address the needs of our constituencies and to be consistent with the University of Missouri mission. Within 3-5 years of graduation from the ET program in the Engineering and Information Technology Department at the University of Missouri, graduates will:

- Process the technical and professional skills to have successful careers in regional and national industries.
- Apply engineering knowledge and tools to solve technical problems, design products, and improve processes that strive to meet the ethical, cultural and environmental needs of society.
- Be effective team members who can lead, collaborate and communicate effectively.
- Become successful professionals in their fields.
- Pursue professional development through continuing education and industry-specific certifications.

Student Outcomes

Student outcomes are defined as the abilities the ET program graduates will attain upon graduation. The ET program graduates will have:

1. The ability to apply basic knowledge of mathematics, science and engineering principles to solve technical problems.
2. The ability to identify, formulate and solve technical problems.
3. The ability to design systems, components, or processes meeting specified needs for broadly defined engineering problems appropriate to the discipline.
4. The ability to apply written, oral, and graphical communication in broadly defined technical and non-technical environments; and an ability to identify and use appropriate technical literature.
5. The ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes.
6. The ability to function effectively as a member as well as a leader on technical teams.

Graduate

While MU does not offer graduate degrees specifically in engineering technology, the University does offer post-baccalaureate opportunities in a number of related areas. The catalog provides a complete list of these degree options (<https://catalog.missouri.edu/degreesanddegreeprograms/>).