Engineering Technology

The Bachelor of Science in Engineering Technology (BSET) program at Wichita State University is a hands-on program based on engineering technology fundamentals, engineering principles, instrumentation, mathematics, science and practical design principles needed to equip students for employment or further education. The focus is on current engineering technology issues and applications used in product design, testing, installation and maintenance to prepare students for careers in manufacturing, facilities management, construction, healthcare, education, and technical services or sales.

The BSET curriculum offers four specialized program concentrations:

- Engineering technology management;
- Facilities management;
- Mechatronics technology; and
- Sustainability engineering technology.

Program Educational Objectives

Once our students are out in the workforce, they should be able to:

1. Pursue gainful careers and practice successfully in a cybersecurity, environmental, management or mechatronics engineering technology profession;
2. Remain technically current and adapt to rapidly changing technologies through continuous learning and self-improvement;
3. Demonstrate independent thinking and function effectively in diverse teams to solve open-ended problems in an industrial environment; and
4. Communicate effectively and perform ethically and professionally in business, industry and society.

Sequence of Courses

The engineering technology undergraduate program requires a minimum completion of 120 credit hours for graduation minus advanced placement credit. Technical elective courses enable a student to graduate with a broad background in engineering technology with a focus in one of four concentrations: civil engineering technology, cybersecurity, engineering technology management or mechatronics technology.

For further program information, please see the program pages in the catalog, visit the Engineering Technology website (http://wichita.edu/engtech/)[1] or contact:

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[1] Link opens new window.

Majors in Engineering Technology

- BSET in Engineering Technology - Concentration in Engineering Technology Management (http://catalog.wichita.edu/undergraduate/engineering/engineering-technology/engineering-technology-bset-concentration-engineering-technology-management/)
- BSET in Engineering Technology - Concentration in Facilities Management (http://catalog.wichita.edu/undergraduate/engineering/engineering-technology/bset-concentration-facilities-management/)
- BSET in Engineering Technology - Concentration in Mechatronics Technology (http://catalog.wichita.edu/undergraduate/engineering/engineering-technology/engineering-technology-bset-concentration-mechatronics-technology/)
- BSET in Engineering Technology - Concentration in Sustainability Engineering Technology (http://catalog.wichita.edu/undergraduate/engineering/engineering-technology/bset-engineering-technology-concentration-sustainability-engineering-technology/)

Minors in, or of special interest to, Engineering Technology Students

- **Business Administration** — A minor in business administration is available to any student who is not pursuing a degree in the Barton School of Business. Please see the Barton School of Business section of the catalog for detailed minor in business administration (http://catalog.wichita.edu/undergraduate/w-frank-barton-business/minor-business-administration/) requirements.
- **Management** — A minor in management is available to any student whose major field or area of emphasis is outside of management. Please see the Barton School of Business section of the catalog for detailed minor in management (http://catalog.wichita.edu/undergraduate/w-frank-barton-business/management-minor/) requirements.
- **Computer Science** — The CS minor provides a valuable addition to the mechatronics technology major. Please see the Electrical Engineering and Computer Science section of the catalog for minor in computer science (http://catalog.wichita.edu/undergraduate/engineering/school-computing/minor-computer-science/) requirements.

Certificates in Engineering Technology

- Certificate in Applied Data Analysis (http://catalog.wichita.edu/undergraduate/engineering/engineering-technology/certificate-applied-data-analysis/)
- Certificate in Assistive Technology and Accessible Design (http://catalog.wichita.edu/undergraduate/engineering/engineering-technology/certificate-assistive-technology-accessible-design/)
- Certificate in Cyber Physical Systems (http://catalog.wichita.edu/undergraduate/engineering/engineering-technology/certificate-cyber-physical-systems/)
- Certificate in Sustainable Energy Systems (http://catalog.wichita.edu/undergraduate/engineering/engineering-technology/certificate-sustainable-energy-systems/)
- Certificate in Sustainable Water Resources (http://catalog.wichita.edu/undergraduate/engineering/engineering-technology/certificate-sustainable-water-resources/)

Courses in Engineering Technology

- Engineering Technology (ENGT) (http://catalog.wichita.edu/undergraduate/courses/engt/)
- First-Year Seminar ENGT (FYET) (http://catalog.wichita.edu/undergraduate/courses/fyet-first-year-seminar-engt/)