BSET in Engineering Technology
Concentration in Engineering Technology Management

A minimum total of 120 credit hours is required for the BSET in engineering technology management. All courses with an ENGT prefix require that any prerequisite courses are each passed with a C- or better grade (1.700/4.000 grade point average). In addition to meeting the requirements of the WSU General Education Program (http://catalog.wichita.edu/undergraduate/general-education-program/) and the requirements of the College of Engineering, students in the BSET in engineering technology management must take the following courses:

Course | Title | Hours
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**College/Program Requirements**
WSUE 102A | First-Year Seminar: Introduction to Technology and Innovation | 3
or ID 300 | Design Thinking & Innovation | 3
ECON 201 | Principles of Macroeconomics | 2
IB 333 | International Business | 2
PHIL 385 | Engineering Ethics | 2
**Program Required Mathematics/Natural Sciences**
MATH 242 | Calculus I | 2
MATH 243 | Calculus II | 2
PHYS 313 | Physics for Scientists I | 2
PHYS 315 | University Physics Lab I | 2
CHEM 211 | General Chemistry I | 2
or PHYS 314 | Physics for Scientists II | 2
**Engineering Technology Core**
ENGT 312 | Applied Statics | 3
ENGT 354 | Statistical Process Control | 3
ENGT 201 | Introduction to Engineering Technology | 1
ENGT 301 | Fundamentals of Engineering Technology | 2
ENGT 401 | Senior Project I | 3
ENGT 402 | Senior Project II | 3
IME 222 | Engineering Graphics | 2
IME 222L | Graphics Lab | 1
**Engineering+ Program**
Completion of the Engineering+ program

**Required Courses for Concentration**

Course | Title | Hours
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ENGR 220 | Applied Analog and Digital Electronics | 3
ENGT 441 | Analysis of Decision Processes in Technology | 3
ENGT 664 | Engineering Project Management | 3
ENGR 501 | The Engineer as Leader | 3
IME 258 | Manufacturing Methods and Materials I | 3
IME 258L | Manufacturing Methods and Materials I Lab | 1
BADM 161 | Business Software: Word | 1
BADM 162 | Business Software: Excel | 1
BADM 163 | Business Software: Access and PowerPoint | 1
ACCT 210 | Financial Accounting | 3

**Technical Electives**

Select 17 credit hours of technical electives preapproved by a faculty advisor. Students taking CS 211 as part of the core courses will need 16 credit hours of technical electives. Please refer to the engineering technology (ET) website or consult with your ET advisor for current list of technical electives.

Total Program Hours 120

1. All first-year college students must take WSUE 102A within their first two semesters. Transfer students can choose ID 300 to replace WSUE 102A.
2. May count as a general education course.
3. Students taking PHYS 314 are required to take PHYS 316 lab.
4. All engineering technology students must complete these courses, regardless of engineering technology concentration.
5. Details outlined under College of Engineering Requirements (http://catalog.wichita.edu/undergraduate/engineering/#graduationrequirementstext), #2.
6. Students taking CS 211 require one less credit hour toward approved technical electives to satisfy the total hour requirements.

**Applied Learning**

Students in engineering technology programs are required to complete an applied learning or research experience to graduate from the programs. The requirement can be met by completing the four-course capstone design experience consisting of ENGT 201, ENGT 301, ENGT 401 and ENGT 402.