MAJOR REQUIREMENTS FOR A BS DEGREE IN 
APPLIED ENGINEERING & TECHNOLOGY 
MANAGEMENT

Total credit hours required: 120.0 minimum

REQUIREMENTS AND POLICIES FOR THE BS APPLIED ENGINEERING & 
TECHNOLOGY MANAGEMENT MAJOR

A. Policies for Admission to the Major
   1. New students (freshmen and transfers) must be admitted to the Applied Engineering & Technology Management major by the Office of Admissions upon admission to the University.
   2. Admission into the Applied Engineering & Technology Management major from other departments is upon approval of the chairperson of the Applied Engineering, Safety & Technology Department.
   3. Non-degree and continuing education students must be admitted to the Applied Engineering & Technology Management major by the Office of Admissions.

B. Policies for Retention in the Major
   1. University requirements for retention.

C. Policies for Completion of the Major
   1. Completion of all University curricular requirements.
   2. Either English 312 or 316 satisfies the upper-level writing course requirement under the General Education Curriculum.

Note to the student: This form is provided as a guide. It is your responsibility to consult regularly with your advisor to be aware of changes and curriculum details which are not incorporated on this form.
## MAJOR SEQUENCE AND DEGREE REQUIREMENTS

**Major:** BS APPLIED ENGINEERING & TECH MGMT  
**Option:** General Technology  
**Major Field Requirements:** 60.0 credits  
**Other Requirements:** 22.0 - 24.0 credits

When applicable, up to six of the REQUIRED RELATED courses may be credited toward the Liberal Arts Core subject to normal distribution rules.

### DEPARTMENTAL REQUIREMENTS (60.0 credits)

#### Technical Option (36.0 credits)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Short Title</th>
<th>C.H.</th>
<th>Grade</th>
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<tbody>
<tr>
<td>ITEC 110</td>
<td>Communication Systems</td>
<td>3.0</td>
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<tr>
<td>ITEC 120</td>
<td>Energy &amp; Power Systems</td>
<td>3.0</td>
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<td>ITEC 130</td>
<td>Production Materials &amp; Processes</td>
<td>3.0</td>
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<td>ITEC 241</td>
<td>Drafting Communications</td>
<td>3.0</td>
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<td>ITEC 251</td>
<td>Print Media Systems</td>
<td>3.0</td>
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<td>ITEC 252</td>
<td>Web Publishing &amp; Interact Media</td>
<td>3.0</td>
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<tr>
<td>ITEC 261</td>
<td>Electronic Systems</td>
<td>3.0</td>
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<td>ITEC 271</td>
<td>Processing Nonmetallic Materials</td>
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<tr>
<td>ITEC 281</td>
<td>Processing Metallic Materials</td>
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<tr>
<td>ITEC 325</td>
<td>Power Conversion and Control</td>
<td>3.0</td>
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<td>ITEC 326</td>
<td>Fluid Power</td>
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<td>ITEC XXX</td>
<td>Technical Elective*</td>
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<tr>
<td>ITEC XXX</td>
<td>Research &amp; Development Elective*</td>
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**NOTE:** * 300-level or above ITEC technical lab class selected in consultation with your adviser

### REQUIRED RELATED (22.0 - 24.0 credits)

#### Science (6.0 - 8.0 credits)

Select two science courses from the following list:

- **CHEM 101** Chem! Better Things/Better Living  
- **CHEM 103** General, Organic & Biochem I  
- **CHEM 104** General, Organic & Biochem II  
- **CHEM 205** Molecular Basis of Color & Form  
- **PHYS 103** Elements of Physics*  
- **PHYS 104** Applied Physics*  
- **PHYS 131** Physics I with Algebra  
- **PHYS 132** Physics II with Algebra  

**NOTE:** *Can receive credit for either PHYS 103 or 104, but not both.

#### Economics (6.0 credits)

- **ECON 101** Principles of Macroeconomics  
- **ECON 102** Principles of Microeconomics

#### Mathematics (7.0 credits)

- **MATH 130** Elements of Statistics  
- **MATH 151** Calculus for Mgmt, Life and SS  
- **MATH 160** Precalculus  
- **MATH 161** Calculus I

**NOTE:** * 300-level or above ITEC technical lab class selected in consultation with your adviser

### Technology Management Core (15.0 credits)

- **OSEH 120** Safety, Health & Environ. Issues  
- **ITEC 492** Technical Entrepreneurship  
- **ITEC 494** Total Quality Management  
- **BUAD 251** Principles of Management  
- **BUAD 452** Operations & Supply Chain Mgmt

### Elective Courses in Technology Management (6.0 credits)

Select two courses from the following:

- **ITEC 300** Internship*  
- **ITEC 400** Internship*  
- **ITEC 392** Industrial Training  
- **OSEH 221** Industrial Fire Prevention  
- **OSEH 320** Safety Engineering Principles  
- **OSEH 323** Human Factors  
- **OSEH 333** Intro to System Safety  
- **BUAD 161** Intro to Financial Accounting  
- **BUAD 352** Human Resource Management  
- **BUAD 353** Labor-Management Relations  
- **BUAD 357** International Management  
- **PSYC 329** Industrial/Organization Psychology  
- **SOCY 318** Sociology Complex Organizations

**NOTE:** *Maximum of 6 credits internship may be counted toward degree

**NOTE:** Many courses have prerequisites. Please consult University Catalog or advisor.