# Bachelor of Science, Major in Engineering Technology - Concentration in Safety Management

**Bachelor of Science, Major in Engineering Technology - Concentration in Safety Management**

**Core Curriculum** ([catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum](catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum))

<table>
<thead>
<tr>
<th>Component Area</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>I (Communication)</td>
<td>6</td>
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<tr>
<td>II (Mathematics)</td>
<td>3</td>
</tr>
<tr>
<td>III (Life and Physical Science)</td>
<td>8</td>
</tr>
<tr>
<td>IV (Language, Philosophy, and Culture)</td>
<td>3</td>
</tr>
<tr>
<td>V (Creative Arts)</td>
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<tr>
<td>VI (U.S. History)</td>
<td>6</td>
</tr>
<tr>
<td>VII (Political Science/Government)</td>
<td>6</td>
</tr>
<tr>
<td>VIII (Social and Behavioral Sciences)</td>
<td>3</td>
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<tr>
<td>IX (Component Area Option)</td>
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</table>

**Degree Specific Requirements**

- **Select one of the following:**
  - ACOM 3360: Communication Skills for Agriculturists
  - or ENGL 3330: Intro To Technical Writing

- **Select one from the following:**
  - MATH 1314: Pre Calculus Algebra
  - MATH 1324: Mth For Mngl Decision Making
  - MATH 1420: Calculus I
  - MATH 1316: Plane Trigonometry
  - MATH 3379: Statistical Mthods In Practice
  - PHYS 1301: General Phy-Mechanics & Heat
  - & PHYS 1101: and General Physics Laboratory I
  - PHYS 1302: Gen Phy-Snd,Lght, Elec, & Mag
  - & PHYS 1102: and General Physics Laboratory II

**Major Core**

- ETDD 1361: Engineering Graphics
  - or ETDD 1390: Intro -Computer Aided Drafting
- ETEC 1010: Engineering Foundations
  - 1-2
- ETEC 1371: Descriptive Geometry
  - 3
- ETEE 1340: Electronics Technology I
  - 3

**Major**

- ETCM 1363: Wood Frame Construction
  - 3
- ETEC 4380: Material Hand & Plant Layout
  - 3
- ETEC 3374: Time And Motion Study
  - 3
  - or ETEC 4367: Engineering Materials Techn
- ETEC 4384: Supervisory Personnel Practice
  - 3
  - or INED 4310: Occup. Human Relations in CTE
- ETSM 4363: Safety Program Management
  - 3
- ETSM 4382: Industrial Safety
  - 3
- 6 hours Internship
  - 6
  - ETDC 4391: Work Base Mentorship

**Approved ETSM Advanced Electives**

- 9

**Minor (if required)**

- Minor
  - 6
- Minor (12 hours advanced)
  - 12

**Total Hours**

120-121
Bachelor of Science, Major in Engineering Technology - Concentration in Safety Management

1 MATH 1316 or MATH 1314 or MATH 1420 or MATH 1324 satisfies the Core Curriculum requirement for Component Area II (Mathematics) and the Degree Specific requirement.

**Note**
Students should use elective and/or minor hours to satisfy the 42 advanced hour requirement.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Hours</th>
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<tbody>
<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>Component Area I</td>
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<tr>
<td>ETEC 1010</td>
<td>1-2 MATH 1316</td>
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<td>MATH 1314, 1324, or 1420</td>
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<td>3 ETEC 4384 or INED 4310</td>
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<td>6 Minor Courses (Advanced)</td>
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Total Hours: 120-121
Satisfies Core Curriculum requirement for Component Area II (Mathematics). MATH 1420 will also satisfy one semester credit hour of Core Curriculum requirement Component Area IX (Component Area Option).

If MATH 1420 is taken, the additional one semester credit hour of Core Curriculum Component Area IX (Component Area Option) is satisfied.