

# 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](http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum))

Component Area I (Communication)	6
Component Area II (Mathematics)	3
Component Area III (Life and Physical Science)	8
Component Area IV (Language, Philosophy, and Culture)	3
Component Area V (Creative Arts)	3
Component Area VI (U.S. History)	6
Component Area VII (Political Science/Government)	6
Component Area VIII (Social and Behavioral Sciences)	3
Component Area IX (Component Area Option)	4

### Degree Specific Requirements

Select one of the following: 3

ACOM 3360 or ENGL 3330	Communication Skills for Agriculturists Intro To Technical Writing
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Select one from the following: <sup>1</sup> 3

MATH 1314	Pre Calculus Algebra	
MATH 1324	Mth For Mngl Decision Making	
MATH 1420	Calculus I	
MATH 1316	Plane Trigonometry <sup>1</sup>	3
MATH 3379	Statistical Mthods In Practice	3
PHYS 1301 & PHYS 1101	General Phy-Mechanics & Heat and General Physics Laboratory I	4
PHYS 1302 & PHYS 1102	Gen Phy-Snd,Lght, Elec, & Mag and General Physics Laboratory II	4

### Major Core

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

### Major

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

Approved ETSM Advanced Electives 9

### Minor (if required)

Minor	6
Minor (12 hours advanced)	12

Total Hours 120-121

<sup>1</sup> 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.

**First Year**

<b>Fall</b>	<b>Hours Spring</b>	<b>Hours</b>
Component Area I (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)	3 Component Area I (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)	3
Component Area IX (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)	3 Component Area VI (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)	3
ETDD 1361 or 1390	3 Component Area IX (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix) <sup>2</sup>	0-1
ETEC 1010	1-2 MATH 1316	3
MATH 1314, 1324, or 1420 <sup>1</sup>	3-4 Minor	3
	13-14	13

**Second Year**

<b>Fall</b>	<b>Hours Spring</b>	<b>Hours</b>
Component Area IV (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)	3 Component Area VII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)	3
Component Area V (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)	3 Component Area VIII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii)	3
Component Area VI (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)	3 ACOM 3360 or ENGL 3330	3
ETCM 1363	3 ETEE 1340	3
PHYS 1301 & PHYS 1101	4 PHYS 1302 & PHYS 1102	4
	16	16

**Third Year**

<b>Fall</b>	<b>Hours Spring</b>	<b>Hours</b>
Component Area III (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)	4 Component Area III (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)	4
Component Area VII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)	3 ETEC 4384 or INED 4310	3
ETEC 1371	3 ETSM 4382	3
ETSM 4363 or INED 4391	3 ETSM Advanced Electives	6
Minor	3	
	16	16

**Fourth Year**

<b>Fall</b>	<b>Hours Spring</b>	<b>Hours</b>
ETDD 4380	3 ETEC 3374 or 4367	3
ETSM Advanced Elective	3 Internship	6
MATH 3379	3 ETEC 4391	
Minor (Advanced)	6 Minor Courses (Advanced)	6
	15	15

Total Hours: 120-121

- <sup>1</sup> 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).
- <sup>2</sup> If MATH 1420 is taken, the additional one semester credit hour of Core Curriculum Component Area IX (Component Area Option) is satisfied.