

**Bachelor of Applied Arts and Sciences – Safety Management Major (Four Year Plan)**

**YEAR 1**

Semester 1		Semester 2	
Course Number	Credit Hours	Course Number	Credit Hours
<b>*ENG 1301 (Composition I)#</b> P: One of the following: (1) TSI ESSAY score of 4 and WRITING score of 340, (2) TSI ESSAY score of 5 and ABE WRITING diagnostic level 4, (3) TSI WRITING complete, OR (4) TSI WRITING exempt	3	<b>ENG 1302 (Composition II)</b> P: A grade of C or better in ENG 1301 or placement by examination	3
<b>*MATH 1301 (College Algebra)#</b> P: A grade of C or better in MATH 1300, TSI MATH score of 350, TSI MATH complete, or TSI MATH exempt	3	<b>POLS 2305 (Federal Government)</b> P: Enrollment in or completion of ENG 1301 or 010 core complete	3
<b>Approved Life and Physical Sciences course (p. 60)</b> P: Refer to catalog	3	<b>Approved Life and Physical Sciences course (p. 60)</b> P: Refer to catalog	3
<b>UHD 1303 (Freshman Seminar - Engineering)</b> Transfer students see advisor for options	3	<b>Approved Language, Philosophy, and Culture course (p. 60)</b> P: Refer to catalog	3
<b>Approved Social and Behavioral Sciences course (p. 60)</b> P: Refer to catalog	3	<b>Approved Oral Communication course (p. 60)</b> P: Refer to catalog	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>

**YEAR 2**

Semester 3		Semester 4	
Course Number	Credit Hours	Course Number	Credit Hours
<b>*ENGR 3380 (Occupational Safety Techniques)</b> P: ENG 1302 and MATH 1301	3	<b>ENGR 3352 (Emerg. Management &amp; Contingency Planning)</b> P: ENG 1302 and MATH 1301	3
<b>Approved Lower Division SAFE elective</b> See catalog for options	3	<b>Approved Lower Division SAFE elective</b> See catalog for options	3
<b>Approved Creative Arts course (p. 60)</b> P: Refer to catalog	3	<b>Approved Lower Division SAFE elective</b> See catalog for options	3
<b>POLS 2306 (Texas Government)</b> P: Enrollment in or completion of ENG 1301 or 010 core complete	3	<b>Approved Lower Division SAFE elective</b> See catalog for options	3
<b>Approved Am. Hist. course (p. 60)</b> P: Enrollment in or completion of ENG 1301 or 010 core complete	3	<b>Approved American History course (p. 60)</b> P: Enrollment in or completion of ENG 1301 or 010 core complete	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>

**YEAR 2- cont'd**

Summer	
Course Number	Credit Hours
<b>ENGR 3351 (Accident Investigation &amp; Root Cause Analysis)</b> P: Core complete	3
<b>Total Semester Hours</b>	<b>3</b>

**YEAR 3**

Semester 5		Semester 6	
Course Number	Credit Hours	Course Number	Credit Hours
<b>ENGR 3350 (Construction Safety)</b> P: Core complete	3	<b>*ENGR 4355 (Industrial Safety)</b> P: Core complete, ENGR 3380, and junior standing	3
<b>ENGR 3375 (Radiation Safety)</b> P: Core complete	3	<b>ENGR 4370 (Human Factors in Fire and Safety)</b> P: Core complete and junior standing	3
<b>Approved Lower Division SAFE elective</b> See catalog for options	3	<b>Approved Lower Division SAFE elective</b> See catalog for options	3
<b>TCOM 3303 (Business &amp; Technical Report Writing)</b> P: Completion of core 10 and 40	3	<b>Approved Upper Division SAFE elective</b> See catalog for options	3
		<b>ENGR 3346 (Offshore Fire Safety and Inspection)</b> P: Core complete	3
<b>Total Semester Hours</b>	<b>12</b>	<b>Total Semester Hours</b>	<b>15</b>

**YEAR 3-cont'd**

Summer	
Course Number	Credit Hours
<b>ENGR 3365 (Fire Protection for Power Plants)</b> P: Core complete	3
<b>Total Semester Hours</b>	<b>3</b>

**YEAR 4**

Semester 7		Semester 8	
Course Number	Credit Hours	Course Number	Credit Hours
<b>ENGR 4310 (Industrial Hygiene Instrumentation)</b> P: Core complete and junior standing	3	<b>ENGR 4323 (Engineering Seminar)</b> P: Senior standing and departmental approval	3
<b>ENGR 4350 (Industrial Loss Prevention)</b> P: Core complete, ENGR 3380, and junior standing	3	<b>ENGR 4381 (Safety and Violence)</b> P: Core complete and credit or enrollment in ENGR 4355	3
<b>ENGR 4330 (Systems Safety Management)</b> P: Core complete, ENGR 3380, and junior standing	3	<b>ENGR 4385 (Scheme Management in Industrial Safety)</b> P: Core complete and credit or enrollment in ENGR 4355	3
<b>Approved Upper Division SAFE elective</b> See catalog for options	3	<b>Approved Upper Division SAFE elective</b> See catalog for options	3
<b>Approved Upper Division SAFE elective</b> See catalog for options	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>12</b>

**Total Credit Hours Required      120**

\* Critical course required to stay on track within major and take subsequent courses

# Students are expected to place into ENG 1301 and MATH 1301 via CLEP or Bypass exams – placement tests determine which english or math course students should start with and additional courses may be necessary

