

# OCCUPATIONAL SAFETY AND HEALTH

## REQUIREMENTS

**CORE CURRICULUM** The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend disciplines. The Core applies to all majors. Information on specific classes in the Core can be found at [marshall.edu/gened](http://marshall.edu/gened).

### CORE 1: CRITICAL THINKING

CODE	COURSE NAME		HRS	GRADE
FYS 100	First Year Seminar	●	3	_____
SFT 235	Critical Thinking Course	● ◆	3	_____
PSY 201	Critical Thinking Course	● ◆	3	_____
<b>TOTAL HOURS</b>			<b>9</b>	
<b>Additional University Requirements</b>				
ENG 354	Writing Intensive		3	_____
_____	Writing Intensive (rec. Core II Hum)		3	_____
SFT 235	Multicultural or International		3	_____
SFT 490	Capstone		3	_____

### CORE 2:

CODE	COURSE NAME		HRS	GRADE
ENG 101	Beginning Composition	●	3	_____
ENG 201	Advanced Composition	●	3	_____
CMM 103	Fund Speech-Communication	●	3	_____
MTH 127/130	Mathematics	● ◆	3-5	_____
BSC 104	Intro to Biology (or BSC 120)	● ◆	4	_____
_____	Core II Humanities (WI section)	●	3	_____
PSY 201	Intro to Psychology (CT)	● ◆	3	_____
_____	Core II Fine Arts	●	3	_____
<b>TOTAL HOURS</b>			<b>25-27</b>	

## MAJOR-SPECIFIC

All Occupational Safety and Health majors are required to take the following courses:

CODE	COURSE NAME		HRS	GRADE	CODE	COURSE NAME		HRS	GRADE
ENG 354	Scientific & Tech Writing (WI)	◆	3	_____	SFT 340	Indust Fire Prevent	◆	3	_____
MTH 122	Plane Trigonometry (or MTH 132 or MTH 229)	◆	3-5	_____	SFT 372	Safety & Industrial Technology	◆	3	_____
CHM 211	Prin of Chemistry I	◆	3	_____	SFT 373	Prin Ergonomics & Hum Factors	◆	3	_____
CHM 217	Prin of Chemistry I Lab	◆	2	_____	SFT 373L	Prin Ergonomics Lab	◆	1	_____
CHM 212	Prin of Chemistry II	◆	3	_____	SFT 375	Construction Safety I	◆	3	_____
CHM 218	Prin of Chemistry II Lab	◆	2	_____	SFT 378	Safety Evaluation and Measurement	◆	3	_____
PHY 201	College Physics I	◆	3	_____	SFT 454	Industrial Hygiene	◆	3	_____
PHY 202	General Physics I Lab	◆	1	_____	SFT 454L	Industrial Hygiene Lab	◆	2	_____
PHY 203	College Physics II	◆	3	_____	SFT 460	Safety Training Methods	◆	3	_____
PHY 204	General Physics II Lab	◆	1	_____	SFT 465	Incident Investigation Technology	◆	3	_____
BSC 104	Intro to Biology (or BSC 120)	● ◆	4	_____	SFT 498	Environ Safety & Health Legis	◆	3	_____
MGT 320 or ACC 215	Principles of Management or Principles of Accounting	◆	3	_____	SFT 499	Dev & Mgt of Occup Safety Progr	●	3	_____
_____	Stats Elective (PSY 223, MGT 218, STA 225)	◆	3	_____	SFT 490	Safety Internship	● ◆	3	_____
PSY 201	Intro to Psychology	● ◆	3	_____	_____	SFT Elective	◆	3	_____
HS 201	Intro Appl Anat & Physiol	◆	3	_____	_____	SFT Elective	◆	3	_____
SFT 235	Intro to Occupation Safety (CT,I)	● ◆	3	_____	_____	SFT Elective	◆	3	_____
					_____	SFT Elective	◆	3	_____
					_____	Free Elective		3	_____
					_____	Free Elective		1	_____

## MAJOR INFORMATION

- The mathematics a student must take will depend upon several factors such as the student's ACT score and mathematics proficiency. It is very important to talk to your advisor in selecting courses.
- Safety Electives: student must select 12 hours from the following: SFT 453, 458, 461, 480-483, 485-487, 491, 493, 494, BSC 250, ENGR 222, or ENGR 451.
- A minimum of 120 hours is required for graduation.
- Because the B.S. degree is an accredited program by ASAC/ABET, students must be able to demonstrate "proficiency" in the areas of mathematics and statistics; chemistry, physics, and sciences; communication studies; psychology and physiology; and major field of study, i.e. safety. To demonstrate proficiency in the areas, a grade no less than a C is required. Courses in the areas of proficiency listed above cannot be completed under the CR/NC course option.
- Course offerings and course attributes are subject to change semesters. Please consult each semesters schedule of courses for availability and attributes.
- Students are required to know and track their degree requirements for graduation or for entrance to a professional school.

● General Education Requirement  
 ■ College Requirement  
 ◆ Major Requirement  
 ● Area of Emphasis

Milestone Course: This is a key success marker for your major. See your advisor to discuss importance of this course in your plan of study.

# OCCUPATIONAL SAFETY AND HEALTH

The Bachelor of Science degree in Occupational Safety and Health offers students the opportunity of preparing for entry-level positions in industry, governmental agencies, and related service industries. The need for Safety Professionals has expanded due to Federal and State legislation governing safety and health in the workplace and an increase in public awareness of safety and health factors. The safety profession is an occupational field concerned with the preservation of both human and material resources through the application of various principles drawn from such disciplines as engineering, education, psychology, physiology, enforcement, hygiene, health, physics and management. "Safety Science" is a term for everything that goes into the prevention of accidents, illnesses, fires, explosions and other events which damage people, property and the environment.

	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
YEAR ONE	SFT 235	Intro to Occupation Safety (CT,I)	3	_____	BSC 104	Intro to Biology (or BSC 120)	4	_____
	ENG 101	Beginning Composition	3	_____	_____	Core II Fine Arts	3	_____
	MTH 127	College Algebra-Expanded (or MTH 130)	3-5	_____	ENG 201	Advanced Composition	3	_____
	CMM 103	Fund Speech Communication	3	_____	SFT 372	Safety & Industrial Technology	3	_____
	FYS 100	First Year Sem in Crit Thinking	3	_____	MTH 122	Plane Trigonometry (or MTH 132 or MTH 229)	3-5	_____
	UNI 100	Freshman First Class	1	_____				
	<b>TOTAL HOURS</b>		<b>16-18</b>		<b>TOTAL HOURS</b>		<b>16-18</b>	

Summer Term (optional):

	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
YEAR TWO	PSY 201	Intro to Psychology (CT)	3	_____	PHY 203	College Physics II	3	_____
	PHY 201	College Physics I	3	_____	PHY 204	General Physics II Lab	1	_____
	PHY 202	General Physics I Lab	1	_____	SFT 373	Prin Ergonomics & Hum Factors	3	_____
	SFT 340	Indust Fire Prevent	3	_____	SFT 373L	Prin Ergonomics Lab	1	_____
	SFT 375	Construction Safety I	3	_____	ENG 354	Scientific & Tech Writing (WI)	3	_____
	_____	Core II Humanities (WI)	3	_____	_____	Statistics (STA 225, PSY 223 or MGT 218)	3	_____
	_____				_____	Free Elective	1	_____
<b>TOTAL HOURS</b>		<b>16</b>		<b>TOTAL HOURS</b>		<b>15</b>		

Summer Term (optional):

	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
YEAR THREE	CHM 211	Prin of Chemistry I	3	_____	CHM 212	Prin of Chemistry II	3	_____
	CHM 217	Prin of Chemistry I Lab	2	_____	CHM 218	Prin of Chemistry II Lab	2	_____
	HS 201	Intro Appli Anat & Physiol	3	_____	SFT 498	Envir Safety & Health Legis	3	_____
	SFT 460	Safety Training Methods	3	_____	_____	SFT Elective	3	_____
	SFT 378	Safety Evaluation and Measurement	3	_____	SFT 465	Incident Investigation Technology	3	_____
	_____	Writing Intensive	3	_____				
	<b>TOTAL HOURS</b>		<b>17</b>		<b>TOTAL HOURS</b>		<b>14</b>	

Summer Term (optional):

	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
YEAR FOUR	SFT 454	Industrial Hygiene	3	_____	SFT 499	Dev & Mgt of Occup Safety Progr	3	_____
	SFT 454L	Industrial Hygiene Lab	2	_____	SFT 490	Safety Internship	3	_____
	MGT 320 or	Principles of Management or	3	_____	_____	SFT Elective	3	_____
	ACC 215	Principles of Accounting	3	_____	_____	Free Elective	3	_____
	_____	SFT Elective	3	_____				
	_____	SFT Elective	3	_____				
<b>TOTAL HOURS</b>		<b>14</b>		<b>TOTAL HOURS</b>		<b>12</b>		

Summer Term (optional):

Area of Emphasis

Major Requirement

College Requirement

General Education Requirement

Milestone Course: This is a key success marker for your major. See your advisor to discuss importance of this course in your plan of study.