

# 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	
					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.

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.

YEAR ONE	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
	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):							

YEAR TWO	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
	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):							

YEAR THREE	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
	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):							

YEAR FOUR	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
	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 ACC 215	Principles of Management or Principles of Accounting	3			SFT Elective	3	
		SFT Elective	3			Free Elective	3	
		SFT Elective	3					
	<b>TOTAL HOURS</b>			<b>14</b>	<b>TOTAL HOURS</b>			<b>12</b>
	Summer Term (optional):							

General Education Requirement  
College Requirement  
Major Requirement  
Area of Emphasis

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College Requirement  
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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 – 2022-2023

## INVOLVEMENT OPPORTUNITIES

- Student Government Association
- Campus Activity Board
- JMELI
- Commuter Student Advisory Board
- Club Sports
- Religious Organizations
- Political Organizations
- Residence Hall Association
- Cultural Organizations
- National Society of Leadership and Success
- Greek Life

## RELATED MAJORS

- Civil Engineering
- Mechanical Engineering
- Geology
- Geography
- Computer and Information Technology
- Health Science
- Risk Management

## GRADUATION REQUIREMENTS

- Have a minimum of 120 credit hours (some colleges or majors require more);
- Have an overall and Marshall Grade Point Average of 2.00 or higher;
- Have an overall Grade Point Average of 2.00 or higher in the major area of study;
- Have earned a grade of C or better in English 201 or 201 H;
- Have met all major(s) and college requirements;
- Have met the requirements of the Core Curriculum;
- Have met the residence requirements of Marshall University, including 12 hours of 300/400 level coursework in the student's college (see section entitled "Residence Requirements" in the undergraduate catalogue);
- Be enrolled at Marshall at least one semester of the senior year;
- Have transferred no more than 72 credit hours from an accredited West Virginia two-year institution of higher education.

Colleges and specific programs may have unique requirements that are more stringent than those noted above. Students are responsible for staying informed about and ensuring that they meet the requirements for graduation.

This academic map is to be used as a guide in planning your coursework toward a degree. Due to the complexities of degree programs, it is unfortunate but inevitable that an error may occur in the creation of this document. The official source of degree requirements at Marshall University is DegreeWorks available in your myMU portal. Always consult regularly with your advisor.

## YEAR ONE



Have questions? Need to talk? You already have a Friend-At-Marshall ready to help you succeed. Find your FAM Peer Mentor here: [www.marshall.edu/fam](http://www.marshall.edu/fam)



Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.



Take a Community Based Learning (CBL) class that connects course content to the community. Stay engaged and make a difference.



In order to graduate on time, you need to take an average of 15 credits per semester. Are you on track? Take 15 to Finish!



Take a pulse check. Know what you need to do every year to keep your grants, scholarships, or federal financial aid.



Are you completing enough credits to graduate on time? Dropping or failing a class can put you behind. Use summer terms to quickly get back on track.



Sign up for Handshake! Handshake is the #1 place to launch a career with no connections, experience, or luck required. The platform connects up-and-coming talent with 650,000+ employers.

## YEAR THREE



Develop relationships with professors who can serve as future references by attending their office hours.



Team up with a faculty mentor and apply for the John Marshall Scholars Award for an unforgettable undergraduate research experience.



Join professional associations in your field, such as the National Safety Council.



Complete your chemistry sequence to meet your prerequisites for Safety courses next year.



In order to work in your field, you may need to take a certification exam. Develop a study strategy now. Check with your advisor.



Your degree requires an internship. Start planning now! Meet with your advisor to discuss your internship options.



Think about who can help you grow as a student and a professional (professors, advisors, alumni, etc.) and ask at least one to be your mentor.

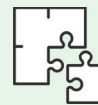
## YEAR TWO



Complete your physics sequence to meet your prerequisites for Safety courses next year.



Join the Marshall Mentor Network and connect with professionals in your field to discuss your major, career path, and more.



Meet with a career education specialist to conduct a "gap analysis." Figure out the skills you'll need for the career you want while you still have time to build them.



No need to wait until graduate school. Discuss undergraduate research opportunities with faculty in your major right now.



Want to continue your education and increase your opportunities? Talk to a faculty member about whether graduate school fits your career goals.



In order to work in your field, you may need to take a certification exam. Develop a study strategy now. Check with your advisor.



Join professional associations in your field, just as American Society of Safety Professionals.

## YEAR FOUR



This is it! Are you on track to graduate? Meet with your advisor for your Senior Eval to see what requirements you have left.



Networking is key! Attend a Career Expo to seek employment opportunities and network with employers in your field.



Think about who can help you grow as a student and a professional (professors, advisors, alumni, etc.) and ask at least one to be your mentor.



Develop relationships with professors who can serve as future references by attending their office hours.



Prepare to present at the West Virginia Undergraduate Research Day at the Capitol.



Complete graduate admissions exams (GRE, MCAT, LSAT) the summer before your senior year.



Be at the top of your professional game! Prepare a final resume and practice your interview skills with a career coach in Career Education.

## TRANSFERABLE SKILLS ASSOCIATED WITH THIS MAJOR

- Research and Analytical Skills
- Numeracy
- Oral and Written Communication Skills
- Leadership Skills
- Ability to Work as Part of a Team
- Critical Thinking Skills
- Information Technology

## ASSOCIATED CAREERS

- Inspector
- Certified Safety Supervisor
- Site Safety Manager
- Safety Educator
- Risk Management Director
- Health and Safety Director
- Occupational Safety Director
- Industrial Hygiene Manager
- Environmental Safety Engineer



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