OCCUPATIONAL SAFETY PROGRAM

OVERVIEW OF THE PROGRAM:

The Occupational Safety program prepares competent professionals who serve as valued members of the management, engineering and business team providing solutions to complex Safety/Environmental problems.

This program focuses on principles drawn from engineering technology, health, physics, math, psychology, language and speech. Hands-on applications of these principles are emphasized through preparatory and professional courses. Preparatory courses include math, chemistry, physics, human anatomy, statistics, speech, written composition and psychology. Professional courses include industrial hygiene and toxicology, safety engineering and design, systems safety, safety and environmental law, fire prevention, ergonomics, environmental hazard control, OSHA compliance and program management. Computer skills and experiential learning are heavily emphasized, including laboratory activities, industrial projects and internships. Internships, which provide experiential learning, are required prior to graduation and may be paid or unpaid.

The curriculum is a highly flexible 2 + 2 curriculum. Once the two-year degree is earned, graduates may choose to enter the workforce or to continue their education with two additional years at the baccalaureate level.

Students graduating with an Occupational Safety BS degree from Fairmont State earn the designation as a Graduate Safety Practitioner (GSP) which is recognized by the Board of Certified Safety Professionals. (BCSP). Fairmont State's Occupational Safety program is one of only 12 safety BS degrees in the world to offer this graduate designation.

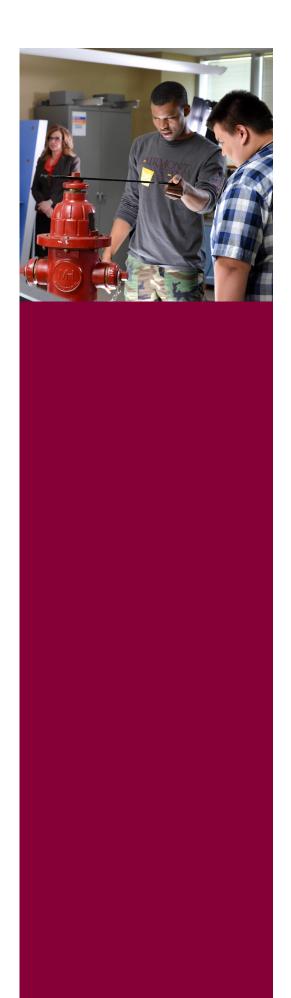
EMPLOYMENT OPPORTUNITIES:

The need for safety professionals will continue to grow. Major employers of our graduates include insurance companies, government entities, state and local agencies, businesses and consulting firms. Increased emphasis on ergonomics, hazardous waste, accident costs, workers' compensation, regulatory compliance and health hazard control will require more professionals in the industry.

The average annual salary of a Certified Safety Professional is about \$110,000.

FAIRMONTSTATE.EDU/collegeofscitech





OCCUPATIONAL SAFETY PROGRAM

BACHELOR OF SCIENCE IN OCCUPATIONAL SAFETY

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER		JUNIOR FIRST SEMESTER	
ENGL 1101 WRITTEN ENGLISH I	3	SFTY 3300 INDUSTRIAL HYGIENE APPLICATIONS AND PRACTICES	4
MATH 1510 APPLIED TECHNICAL MATH I	3	SFTY 3360 FIRE PREVENTION	3
SCIE 1100 HUMAN BIOLOGY	4	MECH 1100 STATICS	3
CHEM 1101 GENERAL CHEMISTRY	4	PSYC 1101 (RECOMMENDED)	3
SFTY 1100 SAFETY & ENVIRON. COMPONENTS OF INDUSTRY	3	CORE CURRICULUM	3
	TOTAL 17		TOTAL 16
FRESHMAN SECOND SEMESTER		JUNIOR SECOND SEMESTER	
ENGL 1103 TECHNICAL REPORT WRITING	3	MANF 2250 TOTAL QUALITY & SPC	3
MATH 1520 APPLIED TECHNICAL MATHEMATICS II	3	SFTY 3310 ERGONOMICS & HUMAN FACTORS	3
SFTY 1150 SAFETY MGT. & CONCEPTS IN ACCIDENT PREV	3	SFTY 3355 AIR AND WATER POLLUTION	3
CHEM 1102 GENERAL CHEMISTRY II	4	MATH 1550 APPLIED STATISTICS	3
COMM 2202, 2200, OR 2201	3	MANF 2205 ENGINEERING ECONOMY	3
SOAR 1100 FIRST YEAR SEMINAR	1		TOTAL 15
	TOTAL 17	SENIOR FIRST SEMESTER	
SOPHOMORE FIRST SEMESTER		SFTY 4400 SAFETY ENGINEERING DESIGN	3
PHYS 1101 INTRODUCTION TO PHYSICS I	4	SFTY 4415 SAFETY INTERNSHIP	3
SFTY 2250 SAFETY LAW & COMPLIANCE	3	SFTY 4420 SYSTEM SAFETY AND MANAGEMENT	3
SFTY 2291 ENVIRONMENTAL ENGR. TECH.: HAZ. WASTE	4	CORE CURRICULUM	3
SFTY 2291 ENVIRONMENTAL ENGR. TECH.: HAZ. WASTE TECH ELECTIVE	4 2	CORE CURRICULUM TECH ELECTIVE	3 3
	•		3 3 TOTAL 15
	2		3
TECH ELECTIVE	2	TECH ELECTIVE	3
TECH ELECTIVE SOPHOMORE SECOND SEMESTER	2 TOTAL 13	TECH ELECTIVE SENIOR SECOND SEMESTER	3
TECH ELECTIVE SOPHOMORE SECOND SEMESTER BIOL 1180 HUMAN ANATOMY & PHYSIOLOGY	2 TOTAL 13	TECH ELECTIVE SENIOR SECOND SEMESTER SFTY 4480 APPLICATION OF SAFETY STRATEGIES	3 TOTAL 15
TECH ELECTIVE SOPHOMORE SECOND SEMESTER BIOL 1180 HUMAN ANATOMY & PHYSIOLOGY BIOL 1181 HUMAN ANATOMY & PHYSIOLOGY LAB	2 TOTAL 13 3 1	TECH ELECTIVE SENIOR SECOND SEMESTER SFTY 4480 APPLICATION OF SAFETY STRATEGIES BSBA 3306 BUSINESS LAW I	3 TOTAL 15 4 3
TECH ELECTIVE SOPHOMORE SECOND SEMESTER BIOL 1180 HUMAN ANATOMY & PHYSIOLOGY BIOL 1181 HUMAN ANATOMY & PHYSIOLOGY LAB PHYS 1102 INTRODUCTION TO PHYSICS II	2 TOTAL 13 3 1 4	TECH ELECTIVE SENIOR SECOND SEMESTER SFTY 4480 APPLICATION OF SAFETY STRATEGIES BSBA 3306 BUSINESS LAW I CORE CURRICULUM	3 TOTAL 15 4 3

Please note: The Occupational Safety minor (not for Occupational Safety majors) requires 23-24 credit hours. The courses in maroon text are included in the Occupational Safety minor as well as one minor elective (3-4 credit hours).



FAIRMONTSTATE.EDU/collegeofscitech

CONTACT INFORMATION

Abby Chapman

Department of Engineering Technology

415 Engineering Technology

Abby.Chapman@fairmontstate.edu

Phone: (304) 367-4633