

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 may be paid or unpaid and can include academic credit.

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.

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 mid-career Safety/Environmental professional with a bachelor's degree or master's degree can expect to earn between \$50,000 and \$60,000 per year.



fast fact

The annual median wage for this career field is \$60,140.00 and the projected need for this career field is expected to increase during the next 10 years.

FOR MORE INFORMATION VISIT

www.fairmontstate.edu/academics/collegeofscitech/default.asp

CONTACT INFORMATION

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NOTE

MODEL SCHEDULE

Occupational Safety (B.S.)

FRESHMAN FIRST SEMESTER

ENGL 1104	WRITTEN ENGLISH I	3
MATH 1101	APPLIED TECHNICAL MATH	3
SCIE 1000	HUMAN BIOLOGY	4
CHEM 1101	GENERAL CHEMISTRY	4
SFTY 1100	SAFETY/ENV. COMPS. IND.	3
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FRESHMAN SECOND SEMESTER

ENGL 1108	WRITTEN ENGLISH II	3
MATH 1102	APPLIED TECH. MATH II	3
SFTY 1150	SFT MGT & CON OF ACC PREV.	3
CHEM 1102	GENERAL CHEMISTRY	4
COMM 2200	INTRO TO HUMAN COMMUNICATION	3
		16

SOPHOMORE FIRST SEMESTER

PHYS 1101	INTRO TO PHYSICS I	4
SFTY 2250	SAFETY LAW & COMPLIANCE	3
SFTY 2260	FIRE PREVENTION	3
SFTY 2291	ENV. ENG. TECH HAZ. WASTE	4
INFO 1100	COMP. CONCEPTS AND APPLS.	3
		16

SOPHOMORE SECOND SEMESTER

BIOL 1170	ANATOMY & PHYSIOLOGY	4
ENGL 1109	TECHNICAL REPORT WRITING	3
PHYS 1102	INTRO. TO PHYSICS II	4
SFTY 2290	INDUSTRIAL HYGIENE & TOXIOLOGY	4
SFTY 2280	CONSTRUCTION SAFETY & LAW	3
		18

JUNIOR FIRST SEMESTER

SFTY 3300	INDUS. HYG. APPLICATIONS & PRACS	4
MECH 1100	STATICS	3
PSYC 1101	PSYCHOLOGY	3
	GENERAL STUDIES-ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE	3
	GENERAL STUDIES-CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
		16

JUNIOR SECOND SEMESTER

MANF 2250	TOTAL QUALITY & SPC	3
SFTY 3310	ERGO & HUMAN FACTORS	3
SFTY 3335	AIR POLLUTION	3
SFTY 3345	WATER POLLUTION	3
MATH 1113	APPLIED STATISTICS	4
		16

SENIOR FIRST SEMESTER

	GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE	3
SFTY 4400	SAFETY ENGINEERING DESIGN	3
SFTY 4415	SAFETY INTERNSHIP	3
	TECH ELECTIVE	3
	GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
		15

SENIOR SECOND SEMESTER

SFTY 4420	SYSTEM SAF. & MGMT	4
	GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
	GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
	TECH ELECTIVE	3
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