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 FSU earn the designation as a Graduate Safety Practitioner (GSP) which is recognized by the Board of Certified Safety Professionals (BCSP). FSU’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 BCSP reports that the average annual salary of a Certified Safety Professional (CSP) is about $98,000. The average salary of a mid-career Safety and Health Technician is approximately $75,000-$79,000 per year.

As reported by the American Society of Safety Engineers (ASSE), the projected need for this field is expected to increase over the next 10 years like most technically related fields.

FOR MORE INFORMATION VISIT
www.fairmontstate.edu/collegeofscitech
# Bachelor of Science in Occupational Safety Model Schedule

**FRESHMAN FIRST SEMESTER**
- ENGL 1104 Written English I .......................................................... 3
- MATH 1101 Applied Technical Math ................................................. 3
- SCIE 1100 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 2202 Communication in the World of Work ......................... 3

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**SOPHOMORE FIRST SEMESTER**
- PHYS 1101 Intro to Physics I ............................................................. 4
- SFTY 2290 Safety Law & Compliance ............................................... 3
- SFTY 2291 Env. Eng. Tech Haz. Waste ............................................ 4
- GS V Health and Well Being ............................................................ 2

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**SOPHOMORE SECOND SEMESTER**
- PHYS 1102 Intro to Physics II ............................................................ 4
- SFTY 2290 Industrial Hygiene & Toxicology .................................... 4
- SFTY 2280 Construction Safety & Law ............................................. 3

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**JUNIOR FIRST SEMESTER**
- SFTY 3300 Indus. Hyg. Applications & Pracs .................................. 4
- SFTY 3360 Fire Prevention ................................................................. 3
- MECH 1100 Statics ........................................................................... 3
- PSYC 1101 Psychology .................................................................... 3
- GS VIIA Artistic/Creative ............................................................... 3

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**JUNIOR SECOND SEMESTER**
- MANF 2250 Total Quality & SPC ....................................................... 3
- SFTY 3310 Ergo & Human Factors .................................................. 3
- SFTY 3355 Air and Water Pollution .................................................. 3
- MATH 1113 Applied Statistics ......................................................... 3
- GS VIII Humanities ......................................................................... 3

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**SENIOR FIRST SEMESTER**
- GS VIII Cultural Awareness .............................................................. 3
- SFTY 4400 Safety Engineering Design ............................................. 3
- SFTY 4415 Safety Internship ............................................................. 3
- TECH ELECTIVE ................................................................................ 3
- SFTY 4420 Systems Safety and Management .................................... 3

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**SENIOR SECOND SEMESTER**
- SFTY 4480 Application of Safety Strategies ..................................... 4
- GS III Citizenship ............................................................................. 3
- BUSN 3306 Business Law I ............................................................ 3
- TECH ELECTIVE ................................................................................ 3

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Notes:

Fairmont State University is an Equal Opportunity, Affirmative Action institution.