

# 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 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.

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**College of Science and  
Technology**



## CONTACT INFORMATION

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The BCSP reports that the average annual salary of a Certified Safety Professional (CSP) is about \$109,000. The average salary of a mid-career Occupational Health and Safety Technician is approximately \$92,000 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.

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**NOTES:**

## BACHELOR OF SCIENCE IN OCCUPATIONAL SAFETY

### MODEL SCHEDULE

#### FRESHMAN FIRST SEMESTER

ENGL	1101	WRITTEN ENGLISH I (UNIVERSITY REQUIREMENT - SATISFIES G.S. 3).....	3
MATH	1510	APPLIED TECHNICAL MATHEMATICS I (PREREQUISITE FOR MATH 1520 - SATISFIES G.S. 2) .....	3
SCIE	1100	HUMAN BIOLOGY (MAJOR REQUIREMENT - SATISFIES G.S. 10) 4	
CHEM	1101	GENERAL CHEMISTRY (PREREQUISITE FOR CHEM 1102 – SATISFIES G.S. 15).....	4
SFTY	1100	SAFETY & ENVIRON. COMPONENTS OF INDUSTRY .....	3

#### FRESHMAN SECOND SEMESTER

ENGL	1103	TECHNICAL REPORT WRITING .....	3
MATH	1520	APPLIED TECHNICAL MATHEMATICS II.....	3
SFTY	1150	SAFETY MGT. & CONCEPTS IN ACCIDENT PREV .....	3
CHEM	1102	GENERAL CHEMISTRY II.....	4
COMM	2202, 2200, OR 2201	(RECOMMENDED COURSES – SATISFY G.S. 7).....	3

#### SOPHOMORE FIRST SEMESTER

PHYS	1101	INTRODUCTION TO PHYSICS I.....	4
SFTY	2250	SAFETY LAW & COMPLIANCE.....	3
SFTY	2291	ENVIRONMENTAL ENGR. TECH.: HAZ. WASTE .....	4
		TECH ELECTIVE .....	2

#### SOPHOMORE SECOND SEMESTER

BIOL	1180 & 1181	HUMAN ANATOMY & PHYSIOLOGY .....	4
PHYS	1102	INTRODUCTION TO PHYSICS II.....	4
SFTY	2290	INDUSTRIAL HYGIENE AND TOXICOLOGY.....	4
SFTY	2280	CONSTRUCTION SAFETY & LAW.....	3

#### JUNIOR FIRST SEMESTER

SFTY	3300	INDUSTRIAL HYGIENE APPLICATIONS AND PRACTICES (MAJOR REQUIREMENT - SATISFIES G.S. 6) .....	4
SFTY	3360	FIRE PREVENTION.....	3
MECH	1100	STATICS.....	3
PSYC	1101	(RECOMMENDED – SATISFIES G.S. 14)).....	3
		G.S. 12 FINE ARTS (ANY COURSE LISTED IN G.S. 12) .....	3

#### JUNIOR SECOND SEMESTER

MANF	2250	TOTAL QUALITY & SPC (MAJOR REQUIREMENT - SATISFIES G.S. 9).....	3
SFTY	3310	ERGONOMICS & HUMAN FACTORS.....	3
SFTY	3355	AIR AND WATER POLLUTION .....	3
MATH	1550	APPLIED STATISTICS.....	3
		G.S. 13 HUMANITIES (ANY COURSE LISTED IN G.S. 13).....	3

#### SENIOR FIRST SEMESTER

SFTY	4400	SAFETY ENGINEERING DESIGN .....	3
SFTY	4415	SAFETY INTERNSHIP .....	3
SFTY	4420	SYSTEM SAFETY AND MANAGEMENT .....	3
		G.S. 16 CULTURAL AWARENESS (ANY COURSE LISTED IN G.S. 16) .....	3
		TECH ELECTIVE .....	3

#### SENIOR SECOND SEMESTER

SFTY	4480	APPLICATION OF SAFETY STRATEGIES (MAJOR REQUIREMENT - SATISFIES G.S. 4 & G.S. 11) .....	4
BSBA	3306	BUSINESS LAW I .....	3
		G.S. 8 CITIZENSHIP (ANY COURSE LISTED IN G.S. 8).....	3
		TECH ELECTIVE .....	3