

OCCUPATIONAL SAFETY

BACHELOR'S DEGREE / MINOR



PROGRAM OVERVIEW

The range of topics covered in the program prepares students to become leaders in the field and work in a variety of areas in safety and health. Subject areas include occupational safety and health federal and state compliance requirements within general industry and construction, hazardous materials, human factors (ergonomics), industrial hygiene fundamentals, safety leadership and management, safety training strategies, hazard anticipation, identification and control, safety performance metrics and evaluation techniques, knowledge and application, workers compensation and asset protection culminating with a senior capstone.

The program concentrates on the partnership between companies and safety management to promote and maintain a positive safety culture which continuously improves safe working conditions. Courses cover the relationship between all involved in the process of supporting safety and health at work- employees, labor organizations, community, first responders, company, management, associate family and vendors, volunteers and guests.

CAREER OPPORTUNITIES

Construction Site Safety Manager
OSHA Trainer
Plant Safety Manager
Safety Technician

Industrial Safety Coordinator
Environmental Health and Safety Officer
Corporate Safety Director

OCCUPATIONAL SAFETY

Bachelor's Degree

Total Curriculum Requirements: 120 Hours

36 hrs - General Education

1 hrs - University Requirements

36 hrs - Occupational Safety Core Requirements

37 hrs - Supporting Courses

10 hrs - Free Electives

Minor

18 Credit Hours

OSH 110, 261, 262, 366, 390 and 410W

*Indicates minor requirement in course descriptions below.

OSH 110 Introduction to Safety Studies*

Students will develop the necessary writing, study, research resource and Blackboard navigation skills necessary to successfully complete Occupational Safety related curriculum. Students will also be introduced to the profession, terminology of the field and basic hazard recognition.

OSH 261 Principles of Occupational Safety & Health*

History of the development of occupational safety and health. Methods of accident prevention and hazard control. Introduction to safety programs, workers' compensation, emergency preparedness and accident investigation.

OSH 262 Principles of Occupational Safety & Health Legislation*

Review of OSHA standards with emphasis of compliance and liability reduction. Discussion of OSHA regulations including citations, penalties, inspections and record keeping.

OSH 300 Safety Training Strategies

Students will learn how to apply adult learning and technical training strategies to occupational programs for management and workforce safety related topics.

OSH 350 Measures of Safety Performance

Strategies and methods for calculating, analyzing, interpreting and communicating safety performance data. Presents lagging and leading metrics of safety, quantitative and qualitative statistical techniques, descriptive and inferential statistics, correlations, and financial principles.

OSH 366 Hazard Identification & Control*

Hands-on approach toward identification and control. Areas of study include noise levels, chemical and electrical hazards, air contaminants and heat/cold stress. Control measures include administrative, engineering and safeguarding methods.

OSH 367 Human Factors in Occupational Safety

Focuses on ergonomics, man/machine interface and human efficiency. Study of work-related stress, psychological factors and Cumulative Trauma Disorders. Solutions are reviewed for common problems found in labor-intensive operations.

OSH 379 Construction Safety

An in-depth analysis of the federal and Commonwealth of Kentucky's OSHA requirements for construction safety.

OSH 390 Workers Compensation*

An in-depth study of the foundations of Workers Compensation law. Emphasis will be placed on the history and theory of injuries "arising out of" and being "in the course of" employment.

OSH 410W Safety Management Systems*

This writing intensive course is designed to provide the student with the knowledge and skills to apply safety management systems components, hazard analysis, and causal analysis.

OSH 412 Safety & Health Program Management

Emphasis on personnel aspects, communication and motivation in managing safety and health programs. Practice in writing safety programs and implementing safety training. Evaluation of the effectiveness of various methods and programs.

OSH 495 Senior Capstone

Students examine case studies, examine real life situations, combine knowledge they have gained from previous coursework, analyze and develop strategies, develop countermeasures, engage in strategic planning and policy development & training.

Supporting Courses:

Fire Prevention/Protection:

Select 9 hours from the following courses:

FSE 101, 120, 221, 224, 349, OSH 225, 305, 489

Industrial Risk Management:

Select 18 hours from the following courses:

EHS 280, 340, HLS 210, OSH 349, 370, 420, 489, TRS 225, 395

Information based on EKU's 2021/2022 course catalog and is subject to change.



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