

# Jesse D. Jones College of Science, Engineering and Technology

## Bachelor of Science in Occupational Safety and Health

### Occupational Safety and Health Track



#### PROGRAM OVERVIEW

Keeping people safe and healthy at work is an important job. The ANSAC/ABET accredited bachelor of science degree in Occupational Safety and Health will prepare you to enter the workforce with confidence. The occupational health and safety track will help you learn how to create safe work environments by promoting good working practices for employees by preventing workplace fatalities, injuries and illnesses. You gain the professional reward of job availability, competitive annual salaries and opportunities for advancement in a highly respected profession.

#### CAREER OPTIONS

Workplace safety is a necessity in all industries such as:

- Construction
- Manufacturing
- Oil/Petroleum
- Agriculture
- Mining
- Insurance
- Government
- Healthcare
- Transportation
- Warehousing and Distribution
- Utilities

Common job titles for safety professionals are:

- Safety Manager
- Industrial Hygienist
- Ergonomist
- Fire Protection Specialist
- Environmental Health and Safety Specialist
- Loss Control Consultant
- Risk Manager
- Safety Engineer
- Safety Director
- Construction Site Safety Supervisor
- Emergency Management

#### ADMISSION CRITERIA

Declare OSH as your area of choice at any point.

You must be formally admitted into the OSH program before you can enroll in OSH 353 and 400- (excluding OSH 488) and 500-level OSH classes.

#### Admission criteria include:

- Complete at least 30 credit hours of coursework directly applicable to an OSH degree from the OSH University Studies requirements, required core courses, non-restricted

OSH classes at the 100-, 200- and 300- levels, and Technical Electives, with a minimum GPA of 2.50.

- Earn a C or better in all OSH classes.
- Complete an application for admission to the program.
- Deadline to submit an OSH application for admission is February 1 for summer/fall enrollment or September 1 for spring enrollment.
- Follow the most current bulletin when admitted to the program.
- Admission is competitive and based on available space. Admission is subject to application and careful evaluation by the OSH program admissions committee.

#### Graduation criteria include:

- A cumulative grade point average of at least 2.50 must be maintained to graduate.
- All occupational safety and health majors and minors must earn a grade of "C" or better in all OSH courses.
- Any OSH course with a grade below a "C" must be repeated.
- The maximum number of times a student may enroll in an OSH class is twice; including audits and withdrawals after the first week class. Exceptions would be made only if the student was forced to drop the class due to a life-changing event and not due to performance in class.
- If a grade less than "C" is received in any OSH course for a second time, the course cannot be repeated and the student is dismissed from the program and is not eligible for readmission.



**MURRAY STATE**  
UNIVERSITY

#### Department of Occupational Safety and Health

157 Industry and Technology Center  
Murray, KY 42071-3347

#### For more information contact:

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[murraystate.edu/osh](http://murraystate.edu/osh)

## COURSE REQUIREMENTS

**Total Curriculum** ..... 120 hours

**University Studies**..... 42 hours

**Oral and Written Communication** ..... 7 hours

ENG 105 Critical Reading, Writing and Inquiry (4)

COM 161 Introduction to Public Speaking (3)

**World's Historical, Literary and Philosophy**

**Traditions** ..... 6 hours

CIV 201 or CIV 202 World Civilizations (I or II) (3)

HUM 211 Western Humanities Tradition (3)

**Scientific Inquiry, Methodologies and Quant.**

**Skills** ..... 13 hours

BIO 100 Introductory Biology Laboratory (1)

BIO 101 Biological Concepts (3)

CHE 105 Introductory Chemistry (4) Must include lab.

MAT 230 Technical Math. II (5)

**Social & Self-Awareness and Responsible**

**Citizenship** ..... 6 hours

Ethics, Social Responsibility, and Civic Engagement:

Required Elective (3)

Social Science: PSY 180 General Psychology (3)

**Global Awareness, Cult. Diversity, and World's**

**Traditions** ..... 3 hours

Required Elective (3)

**University Studies Approved Electives** ..... 7 hours

CSC 199 Introduction to Information Technology (3)

*Can be substituted by another computer related course with advisor's approval.*

STA 135 Introduction to Probability and Statistics (4)

**Required Core Courses** ..... 48 hours

MGT 350 Fundamentals of Management (3)

OSH 100T Transitions (1)

OSH 192 Introduction to Occupational Safety and Health (3)

OSH 299 Professional Development Seminar I (1)

OSH 310 Fire and Emergency Preparedness Preplanning (3)

OSH 311 Hazardous Materials and Emergency Planning (3)

OSH 320 Environmental and Occupational Health Engineering Tech. (3)

OSH 353 Prevention of Musculoskeletal Disorders in the Workplace (3)

OSH 387 OSH Standards (3)

OSH 420 Fundamentals of Industrial Hygiene (3)

OSH 425 Physical Agents (3)

OSH 450 Practical Application Laboratory (2)

OSH 452 Systems Approach to Hazard Control (3)

OSH 488 Cooperative Education/Internship (3)

OSH 550 Safety and Health Program Management and Training (3)

OSH 591 Engineering and Technical Aspects of Safety (3)

PHY 125 Brief Introductory Physics (4)

PHY 126 Brief Introductory Physics Lab (1)

**Occupational Safety and Health Track Required**

**Courses** ..... 15 hours

OSH 101 Emergency Medical Training (6) *Advisor must provide written consent to take alternate course.*

OSH 384 Construction Safety (3)

OSH 445 Loss Control Management and Measurement (3)

OSH 546 Fundamentals of Risk Management (3)

**Technical Electives**..... 15 hours

*Advisor must approve courses and provide written consent to take alternate courses.*

CMA 310 Anatomy of Buildings (3)

CMA 385 Construction Estimating I

CMA 480 Construction Planning and Management (3)

CHE 120 Chemical Laboratory Safety (1)

CHE 210 Brief Organic Chemistry (3)

CHE 215 Organic Chemistry Lab (1)

COM 384 Communication Skills for Professionals (3)

COM 439 Conflict and Communication (3)

CRJ 140 Intro. to Criminal Justice (3)

CRJ 355 Security in Business and Industry (3)

CRJ 425 Terrorism (3)

MGT 550 Human Resource Management (3)

MGT 575 Labor-Management Relations (3)

OSH 330 Global Issues in OSH (3) *May Be Repeated for Additional Credit*

OSH 371 Professional Internship II (3)

OSH 389 Facility Water Quality and Management (3)

OSH 412 Emergency Management (3)

OSH 453 Human Factors in Safety Engineering (3)

OSH 479 Fundamentals of Air Pollution and Control (3)

OSH 488 Cooperative Education/Internship (3) *May Be Repeated for 2nd Cooperative Ed. Course*

OSH 499 Professional Development Seminar II (1)

OSH 511 Hazardous Waste Site Operations (3)

OSH 523 Occupational Diseases (3)

OSH 527 Air Contaminants and Industrial Ventilation (3)

OSH 536 Motor Fleet Safety (3)

OSH 571 Problems in Safety and Health (3)

OSH 578 Workshop in Safety and Health (1-3)

PSY 405 Industrial and Organizational Psychology (3)

SPA 107 Basic Spanish and Culture for Occupational Safety and Health (3)

