

Jesse D. Jones College of Science, Engineering and Technology

Department of Occupational Safety and Health

Master of Science in Occupational Safety and Health



PROGRAM OVERVIEW

Do you like to help others, improve lives and keep people safe? Pursuing an ANSAC/ABET accredited MS in occupational safety and health will help you take the next step in your safety career. You can choose from one of three concentrations: safety management, industrial hygiene and environmental health and safety.

We have over 40 years of experience in preparing students to take their place in organizations as effective safety professionals. As a safety professional, you gain the personal reward of keeping workers, property, environment and the public safe. You also gain the professional reward of job availability, competitive annual salaries and opportunities for continued advancement in a highly respected profession.



CAREER OPTIONS

- Safety Manager
- Safety Engineer
- Industrial Hygienist
- Environmental Engineer
- Risk Manager
- Loss Control Specialist
- Environmental Safety and Health Specialist
- Safety Director
- Construction Site Safety Director

ADMISSION CRITERIA

Unconditional Admission:

- B.S. degree in occupational safety and health from Murray State University
- Overall GPA of 3.0 or higher

Conditional Admission:

- Undergraduate GPA of 2.75 or higher, regardless of undergraduate baccalaureate degree field of study. To change to conditional status, meet the university requirements of obtaining 3.0 GPA in the first nine hours of graduate work and additional criteria set forth by the OSH department.
- Math, science and undergraduate OSH-specific prerequisites may be required.



MURRAY STATE
UNIVERSITY

Department of Occupational Safety and Health

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Murray, KY 42071-3347

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MURRAY STATE UNIVERSITY

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COURSE REQUIREMENTS

Total Degree Requirements30 hours

Safety management concentration 12 hours

- OSH 621 Industrial Hygiene and Safety Program Development (3)
- OSH 640 Safety and Health Program Management and Training (3)
- OSH 650 Occupational Safety and Health Organizational Leadership and Management (3)
- OSH 655 Legal Aspects of Safety and Health (3)

Industrial hygiene concentration 12 hours

- OSH 621 Industrial Hygiene and Safety Program Development (3)
- OSH 622 Toxicology of Industrial Materials (3)
- OSH 627 Air Contaminants and Industrial Ventilation (3)
- OSH 663 Applied Workplace Ergonomics (3)

Environmental concentration 12 hours

- OSH 622 Toxicology of Industrial Materials (3)
- OSH 627 Air Contaminants and Industrial Ventilation (3)
- OSH 687 Wastewater Treatment (3)
- OSH 689 Solid and Hazardous Waste Management (3)

Technical requirements 18 hours

Technical requirements courses are selected based on the student's program concentration and must be approved by the graduate program advisor.

- OSH 621 Industrial Hygiene and Safety Program Development (3)
- OSH 623 Occupational Diseases (3)
- OSH 626 Industrial Hygiene Sampling Strategies (3)
- OSH 630 Global Issues in Occupational Safety and Health (3)
- OSH 636 Transportation Management (3)
- OSH 637 Biostatistics and Probability (3)
- OSH 640 Safety and Health Program Management and Training (3)
- OSH 644 Graduate Cooperative Education OR an Approved Elective with Prior Safety Internship or Equivalent
- OSH 645 Loss Control Management and Measurement (3)
- OSH 646 Fundamentals of Risk Management (3)
- OSH 654 Advanced Safety and Health Management and Administration (3)
- OSH 655 Legal Aspects of Safety and Health (3)
- OSH 656 Ergonomics and Biomechanics (3)
- OSH 657 Current Literature and Research in Safety and Health (3)
- OSH 658 Introduction to Occupational Epidemiology (3)
- OSH 680 Graduate Seminar in Occupational Safety and Health (3)
- OSH 697 Research in Environmental Health and Safety (3)
- OSH 698-699 Thesis (THESIS MAY SUBSTITUTE FOR OSH 644 and (OSH 657 or OSH 697) (6)

Special Notes:

- **Safety Management: OSH 384 and OSH 657 are required**
- **Industrial Hygiene: OSH 425, OSH 626, OSH 656, and OSH 697 required**
- **Environmental: OSH 320 and OSH 697 required**
- **All non-thesis students must take OSH 644**
- **Students selecting to do thesis must take OSH 657 and complete an oral defense of thesis**