

University of Findlay – Bachelor of Science in Environmental, Safety and Occupational Health Management, Emphasis in Emergency Management

The University of Findlay, School of Environmental and Emergency Management is offering a Bachelor of Science in Environmental, Safety and Occupational Health Management with an Emphasis in Emergency Management. The goal of the Emergency Management emphasis is to educate students in the art and science of emergency management so they may obtain positions at all levels of private industry and government. The program will provide students with a education founded in the science of emergency management (risk management, logistics and emergency management operations), blended with traditional liberal arts education (psychology, sociology, criminology, public policy and administration) and business education (financial controls) to provide a well rounded graduate with the ability to manage the many aspects of natural and man made disasters. The emphasis of the program focuses on an all-hazards approach to emergency assessment, planning, mitigation, and recovery. The following competencies are stressed throughout the courses in the program:

- Leadership
- Ethics
- Cultural Awareness
- Decision Making
- Interpersonal Skills
- Experiential learning (hands-on)
- Critical Thinking and analysis
- Team building and Team Work

The University of Findlay's program is unique in that it requires participation by students in hands-on training exercises and scenarios that, to the best of our knowledge, no other university offering this program requires or provides. The requirement to participate in hands-on scenarios that depict real world emergencies in a controlled learning environment is a critical learning tool.

The program is designed for both first time college students and those currently possessing an Associates Degree in Science (biology, chemistry, environmental science, fire science) or in liberal arts (criminal justice, public administration government).

The degree requires a total of 124 semester credit hours to be taken and passed successfully. The 124 credits consist of 86 credits in the core curriculum and 38 credits of general education requirements. The courses are divided into three groups; core courses emergency management emphasis courses and general education requirements. Courses designated as emergency management emphasis core are the courses required in the emphasis for graduation of a Bachelor of Science in Environment Safety and Occupational Health, Emergency Management emphasis, that are not included in the core of the ESHO program. Courses designated as specialized training courses are the hands-on courses that the student can choose from to meet the requirement of the degree.

Curriculum Requirements (26 hours taken in sequence):

ESOH 105 – Introduction to Emergency Management **or** ESOH 100 – Environment and Society
ESOH 150 – OSHA 40 HOUR hazardous waste site worker
ESOH 180 – Industrial Processes
ESOH 205 – OSHA General Industry
ESOH 270 – Fund. Of Occupational Health
ESOH 300 – Environmental Regulations and Law
ESOH 315 – Environmental Sampling & Statistics
ESOH 316 – Environmental Analysis & Standard Methods
ESOH 420 – Management of Safety and Health Programs
ESOH 425 – Environmental Risk Assessment **or** ESOH 427 – Threat and Vulnerability
ESOH 490 – Internship **or** ESOH 495 – Advanced Topics

Take three hours of these specialized training courses:

ESOH 135 – 1 hour – Chemistry of Hazardous Materials
ESOH 152 – ½ hour – OSHA Site Supervisor
ESOH 153 – 1 hour – Technician Level Emergency Response
ESOH 155 – ½ hour – Incident Command
ESOH 205 – 1½ hour – OSHA General Industry
ESOH 206 – 1 ½ hour – Confined Space
ESOH 207 – 1½ hour – DOT HAZMAT Trans.
ESOH 208 – 1½ hour – RCRA HW Generator
ESOH 160 – 1 hour – CPR/First Aid/Advanced FA
ESOH 163 – 1 hour – Personnel Emergency Preparedness
ESOH 165 – 1 hour – Search and Rescue

Required Math and Science Courses – 30 hours

BIOL 202 – Human Anatomy & Physiology I
BIOL 202 L – Anatomy & Physiology Laboratory
BIOL 412 – Microbiology
CHEM 130 (or 140) – General Chemistry I
CHEM 130 L (or 140 L) – General Chemistry Laboratory
CHEM 325 – Basic Organic & Biochemistry
CSCI 190 – Computer Science I
MATH 123 - Elementary Statistics
MATH 140 – Math Functions or 141 Calculus I
PHYS 250 – General Physics I (or 251 Physics II)
PHYS 250L – Physics Laboratory (or 251 L)

Emergency Management Emphasis – 30 hours

ESOH 250 – Emergency Management and Technology
ESOH 200 – Emergency Management Law

ESOH 255 – Incident Scene and Evidence Investigation
ESOH 220 – Principles of Management & Strategic Planning
ESOH 257 – Behavioral Aspects of Emergencies
ESOH 320 – Emergency Management Finance
ESOH 325 – Emergency Management Standards & Procedures 1
ESOH 429 – All Hazards Emergency Planning
ESOH 423 – Emergency Management Standards & Procedures 2
ESOH 498 – Survey of Emergency & Disaster Management

General Education Requirements:

Philosophy/Religion – 3 hours
Fine Arts – 6 hours
Natural Science – 3 hours
Humanities – 6 hours
Social Science – 6 hours
Foreign Language/Culture – 3 hours
Mathematics – 6 hours
English – 6 hours
Computer Science – Competency Exam or 3 hours
Communication – Competency Exam or 3 hours
Wellness – 2 hours

The University of Findlay is accredited by the North Central Association of Colleges and Secondary Schools, Higher Learning Commission

For more information contact:

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Additional Information: <http://seem.findlay.edu> , keyword: environmental, then click on bachelor degree programs

The Office of Undergraduate Admission,
<http://www.findlay.edu/admissions/undergraduate/Pages/default.aspx> or email at admissions@findlay.edu

Update: 10/23/12

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