



College of Continuing & Professional Studies

UNIVERSITY OF MINNESOTA



Environmental Health and Safety

Careers

An Environmental Health and Safety Manager is a key component in the daily operations of any business. This position ensures the operations are safe for all employees, contractors, and visitors. Safety professionals apply principles from multiple disciplines to prevent loss and mitigate its impacts.

Depending on their education, communication skills, experience, and professional certifications, safety professionals can expect to have a rewarding career far into the future.

Skills in Greatest Demand

To be successful in this career, a combination of technical and soft skills is required. The top listed skills according to Labor Insight Jobs are:

- Communication
- Occupational Health & Safety
- Writing
- Computer Skills
- Problem Solving
- Organizational Skills
- Project Management
- Planning

Learn More

Visit the website at ccaps.umn.edu/ehs

Curriculum

This program is designed for professionals who are pursuing leadership roles in the safety professions. It focuses on the management and prevention of accidents, illnesses, fires, explosions, and other events that harm people, property, or the environment.

This program is aligned with the BASc. degree in Construction Management. It will assist the student in preparing to apply for and take the examination leading to the Construction Health and Safety Technician (CHST), the Associate Safety Professional (ASP) certifications issued by the Board of Certified Safety Professionals, and certifications issued by the International Code Council.

Admission and General Requirements

Admission to the Environmental Health and Safety track requires admission to the Construction Management major. Students must meet all admission requirements for the major.

Admission to the certificate is available to nondegree students.



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Total Credits for BASc. Degree

Liberal Education Requirements = 38 credits
Diversified Core = 23 credits
Designated Themes = 15 credits
Preparatory Courses = 30 credits
Construction Management Required Core = 31 credits
Environmental Health & Safety Track = 18
Electives as needed to reach = 120 total credits

Environmental Health & Safety Track Curriculum (18 credits)

CMGT 4301 Introduction to Environmental Health & Safety; 3 required credits

Provides the student with a comprehensive understanding of environmental health and safety standards and their application for the management of workplace injury prevention and health promotion.

CMGT 4302 Environmental Health Principles; 3 required credits

Review requirements and provide direction in controlling regulations related to environmental & occupational health, chemical & biological safety, hazardous materials, and other hazards.

CMCMGT gt 4303 Industrial Hygiene Principles; 3 required credits

Studies and identifies the science of anticipating, recognizing, evaluating, and controlling workplace conditions that may cause worker injury or illness.

CMGT 4304 Fire and Life Safety Principles; 3 required credits

Provides strategies to protect people based on building construction, protection, and occupancy features that minimize the effects of fire and related hazards in both new and existing structures.

CMGT 4305 Health & Safety Planning and Management; 3 required credits

A comprehensive study of the essential components needed in developing an effective safety planning and management system. Examines the cultural aspects of integrating safety planning into all levels of an operation.

CMgt 4306 Building Code Nonstructural Principles; 2 elective credits

Introduces the nonstructural provisions of the International Building Code and provides techniques to effectively use the code when designing, constructing, and enforcing applicable code requirements.

CMGT 4307 Mechanical & Electrical Codes & Safety Principles; 2 elective credits

This course is designed to ensure the safe operation of all electrical and mechanical systems and explain the fundamental provisions of the Mechanical, Electrical, and Plumbing (MEP) Codes.

CMCMGT gt 4308 Fire Code & Protection Systems; 2 elective credits

This course provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection, and portable fire extinguishers.

Contact Us

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