Duluth Campus

Environmental Health and Safety M.Env.Hlth.Sa.

UMD Mechanical/Industrial Engineering

Swenson College of Science and Engineering

Link to a list of faculty for this program.

Contact Information:
MEHS Director of Graduate Studies, 105 Voss-Kovach Hall, 1305 Ordean Court, Duluth, MN 55812 (218-726-7981)
Email: mehs@d.umn.edu
Website: http://www.d.umn.edu/mehs

- Program Type: Master's
- Requirements for this program are current for Spring 2020
- Length of program in credits: 33
- This program requires summer semesters for timely completion.
- Degree: Master of Environmental Health and Safety

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The master's of environmental health and safety (MEHS) program prepares its graduates for professional careers in environmental health and safety--encompassing occupational safety, industrial hygiene, ergonomics, risk management, and environmental health. The program strives not only to provide academic-based knowledge, but also the technical and practical skills necessary to be a successful EHS professional and the coursework covers a broad range of EHS topics.

Ultimately, the mission of the MEHS program is to produce highly regarded and sought-after graduates who have the requisite skills and knowledge to practice environmental health and safety effectively in a diverse range of occupations and will do so in a competent, professional, and ethical manner.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission

The preferred undergraduate GPA for admittance to the program is 3.00.

Applicants preferably will have a baccalaureate degree in a science, engineering, or other EHS-related field. All degrees, must have been earned at an accredited college or university.

Other requirements to be completed before admission:
Applicants must have earned a grade of C or better at the collegiate level in the following introductory coursework: chemistry with a lab component, and statistics.

Applicants must provide three letters of recommendation, one of which should be from an instructor or professor in the department awarding the student's baccalaureate degree. Recommendations should address either the student's academic ability or readiness to pursue a professional graduate degree in EHS, if not both. Recommendations from family members will not be accepted.

Preferred applicants will have work experience related to EHS and have completed collegiate-level coursework in introductory physics, human biology and/or physiology, and psychology.

Special Application Requirements:
Applicants must also provide:
- Answers to essay questions (see Admissions Details on program website link found under "Supplemental Information Required")
- Transcript(s) indicating completion of a baccalaureate degree program and grades obtained in the prerequisite courses
- Resume or CV

International applicants must submit score(s) from one of the following tests:

- TOEFL

Information current as of March 29, 2024

- Internet Based - Total Score: 79
- Internet Based - Writing Score: 21
- Internet Based - Reading Score: 19
- Paper Based - Total Score: 550

• IELTS
- Total Score: 6.5

• MELAB
- Final score: 80

Key to test abbreviations(TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements

Plan C: Plan C requires 33 major credits and 0 credits outside the major.The is no final exam.A capstone project is required.
Capstone Project: The Plan C capstone internship project requires a student to apply knowledge and skills acquired from the MEHS coursework and demonstrate their mastery of EHS-related material and concepts in identifying and addressing a particular concern. The project is part of a minimum six-week cooperative internship conducted in an industrial, government, or other organization having an established safety project or in the process of implementing a safety project. A daily work log, written evaluation by the internship supervisor, a two-page executive summary of the project and an oral presentation are required.

This program may be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

At least two semesters in residence are required.

Core Requirements (27 cr)
SAFE 6002 - Regulatory Standards and Hazard Control (3.0 cr)
SAFE 6011 - System Safety and Loss Control Techniques (3.0 cr)
SAFE 6012 - Risk Management and Workers' Compensation (3.0 cr)
SAFE 6101 - Principles of Industrial Hygiene (3.0 cr)
SAFE 6102 - Advanced Industrial Hygiene and Health Physics (3.0 cr)
SAFE 6201 - Fire Prevention and Emergency Preparedness (3.0 cr)
SAFE 6302 - Occupational Ergonomics and Injury Management (3.0 cr)
SAFE 6401 - Environmental Safety and Legal Implications (3.0 cr)
SAFE 6821 - Organization and Administration of Safety Programs (3.0 cr)

Electives (3 cr)
Take 3 or more credit(s) from the following:
•IE 5315 *{Inactive}*(3.0 cr)
•IE 5325 - Advanced Engineering Economics (3.0 cr)
•SAFE 6051 - Construction Safety (3.0 cr)
•SAFE 6211 - Transportation Safety (3.0 cr)
•SAFE 6212 *{Inactive}*(3.0 cr)
•SAFE 6213 *{Inactive}*(3.0 cr)
•SAFE 6291 - Independent Study in Industrial Safety (1.0 - 3.0 cr)
•SAFE 6295 - Special Topics: (Various Titles to be Assigned) (1.0 - 3.0 cr)
•SAFE 6301 *{Inactive}*(3.0 cr)

Internship (3 cr)
Register for the 3-credit internship no later than 12 months after completing the program coursework.
SAFE 6997 - Internship in Environmental Health and Safety (3.0 cr)