

OCCUPATIONAL SAFETY & HEALTH MANAGEMENT MASTER OF SCIENCE IN TECHNOLOGY & INNOVATION

*Change the way
you **think** about
your thinking.*



The Occupational Safety & Health Management (OSHM) concentration is designed to advance the careers of environmental, health and safety (EHS) professionals and others seeking professional development in these areas. This unique program allows students to chart their own path while developing leadership, research, analytical thinking and problem-solving skills and building expertise in EHS program management, risk management, advanced industrial hygiene, toxicology and sustainability.

PROGRAM GOALS

This degree is targeted toward those individuals working in occupational safety and health (OSH) or planning to upskill to an OSH career. You will gain the technical knowledge and practical skills to grow professionally, lead with confidence and create safer, more effective workplaces in today's technologically advancing work environments. The OSHM concentration allows the flexibility to complete coursework fully online, on your schedule, while you are anywhere geographically.

CAREER PATHWAYS

The online M.S. in Occupational Safety & Health Management – Technology & Innovation equips you with competencies to fill mid-career and leadership positions such as:

- Environmental Health and Safety Manager
- Safety Manager/Director
- Risk Control Director/Analyst
- Safety Engineer
- Loss Prevention Manager
- Operations Manager

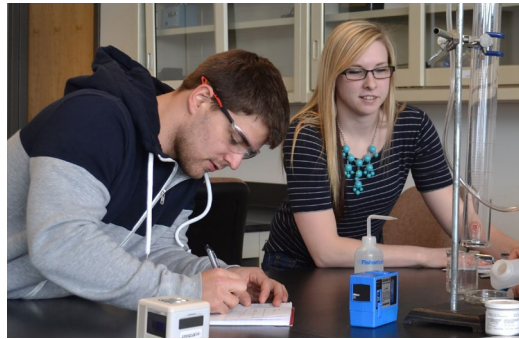
RETURN ON INVESTMENT

- Career advancement and professional development.
- Engage in lifelong learning while obtaining in-demand safety and leadership skills.
- Mid-career safety professionals with a master's degree earn an average of \$120,000/year.
- Senior EHS leaders earn an average of \$200,000/year.



REASONS TO CHOOSE THE OCCUPATIONAL SAFETY & HEALTH MANAGEMENT CONCENTRATION

- Advance your knowledge in technology and innovation while building expertise in OSHM management career fields.
- Allows geographic and scheduling flexibility through a fully online program.
- Unique graduate program of study.
- Chart your own path.



PROGRAM REQUIREMENTS

The OSHM concentration within the Technology & Innovation master's program is anchored by four core courses that provide students and working professionals with a distinctive integration of leadership, innovation, artificial intelligence applications and ethics, and critical-thinking and decision-making skills. The curriculum is carefully designed to address the professional development needs of individuals who deal with workplace, general industrial, and construction environment safety and health issues.

Common Core

- TEIN 603 (3) Fostering Creativity by Design
- TEIN 604 (3) Engineering, Ethics and AI
- TEIN 605 (3) Applying Critical Thinking and Decision-Making
- TEIN 606 (3) Leadership in Practice

Research Area

- OSEH 600 (3) Research Methods

Select a total of two courses from a combination of the following areas:

Occupational Safety and Health Core

- OSEH 522 (4) Advanced Industrial Hygiene – Physical Hazards
- OSEH 535 (3) Environmental Health
- OSEH 601 (3) Toxicology
- OSEH 602 (3) Safety and Health Management Systems
- OSEH 630 (3) Risk Management and Loss Control

Other Options: Psychology and Sustainability

- GEOG 508 (3) Advanced Sustainable Development
- PSYC 529 (3) Advanced Industrial Psychology
- PSYC 516 (3) Motivation
- PSYC 518 (3) Introduction to Behavioral Analysis

Analytics/Statistics Area (choose one)

- MATH 535 (3) Statistical Methods
- MATH 610 (3) Problem-Solving Seminar
- STA 511 (3) Introduction to Statistical Computing and Data Management

Completion Option 1: TEIN 699 (6) Thesis

Completion Option 2: TEIN 698 (3) Capstone; Elective (3)

Completion Option 3: Coursework (choose three electives)

ADVISEMENT

Professionals and students with no prior training in occupational safety and health should consult with the graduate program advisor when selecting coursework.

PROFESSIONAL AND GRADUATE CERTIFICATES

The online graduate program in OSHM allows you to earn stackable credentials which apply to your degree. Through careful selection of courses, students could potentially obtain graduate certificates in EHS-related pathways. These certificates are intentionally designed for both working safety and health professionals and graduate students.

WHAT OUR GRADUATES SAY

"I pursued a degree from the Master of Science in Technology & Innovation program to expand my knowledge of the safety profession and strengthen my skills as a working professional. The program's flexibility allowed me to achieve both goals. Through the core coursework, I learned to approach problems from new perspectives, strengthen my professional writing and explore more creative solutions. In addition to business classes, I completed safety-related courses that further enhanced my understanding of the field. An added benefit of the program was the ability to apply the degree towards meeting my Certified Safety Professional (CSP) recertification requirements."



– Randi Warner '25
Enterprise/Occupational Safety & Health Management

FOR INFORMATION, CONTACT:

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