2026-27 Academic Year

WAYNE STATE COLLEGE

INDUSTRIAL TECHNOLOGY > SAFETY MANAGEMENT

Safety management is about identifying hazards and reducing workplace risks. Increased productivity, better employee morale, and lower costs are just some of the results of a safer environment you can help create. With the Safety Management degree program at Wayne State, you'll be prepared to work in industry, government, construction, and private sector companies. You'll study foundational and cutting-edge technologies, safety-related concepts, supervision and leadership skills, and business knowledge. You'll be prepared to dive into government regulations, interpretations, documentation, and robust understandings as you develop your safety expertise and pass it along to others.

fast facts

Credit hours: 63

Students must also take 30 credit hours of General Studies courses. A total of 120 credit hours are needed to graduate from WSC. Additional majors or minors can be added to help meet graduation requirements.

Degree options: B.A. or B.S.

Department: Technology and Applied Science

School: Business and Technology

Popular pairings: Construction Management, Drafting and Design, Manufacturing Management, Spanish

focus on results

Skills Learned

- Industrial hygiene and ergonomics
- Construction, industrial, and systems safety
- Workplace accident investigation
- Accident prevention
- Safety data analysis
- Safe handling of hazardous materials
- First aid and CPR
- Introductory Spanish
- Business management and supervision
- Manufacturing processes and systems
- Construction technology and systems

Possible Careers

- Safety manager
- Government regulator/inspector
- Public safety director
- Hazardous material specialist
- Transportation inspectors
- Environmental health manager
- Risk manager
- Compliance officer
- Quality assurance manager
- Emergency response specialist
- Security coordinator

Types of Employers

- Government / federal agencies
- Environmental agencies
- Construction companies
- Manufacturing companies
- Transportation companies
- Waste companies
- Production companies
- Aviation companies
- Chemical companies
- Disaster management companies
- Schools, colleges, and universities

outside the classroom

Visit www.wsc.edu/clubs to learn more about clubs and organizations on campus.

Activities / Opportunities

- Career Scholars Program
- Peer tutoring and mentoring
- Service-Learning

Clubs / Organizations

- American Society of Safety Professionals (ASSP)
- Associated General Contractors of America (AGC)
- Epsilon Pi Tau
- FBLA Collegiate
- SkillsUSA

Courses and outcomes

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The following courses are required for the program of study described on this sheet. Every effort is made to ensure this information is current, but please be aware that some content may have changed. To develop a plan for registering and taking these courses, please consult the current academic catalog and your advisor.

Program courses

For CAT 3, take one of the following: MAT 110 Contemporary Applications of Mathematics, MAT 121 College Algebra, MAT 130 Precalculus, MAT 140 Calculus I, or MAT 180. Take PHS 102 Physical Science Today for CAT 7.

Industrial Technology Core Courses

BIO 104 Environmental Concerns for General Studies 3
BUS 208 Business Communications 3
BUS 471 Principles of Supervision 3
CIS 477 Project Management 3
ITE 111 Introduction to Safety 3
ITE 114 Introduction to Applied Engineering and Technology 3
ITE 202 Construction Systems 3
ITE 205 Introduction to Manufacturing Technology 3
MAT 118 College Mathematics for Industrial Technology 3

Safety Management Concentration Courses

BUS 367 Foundations of Human Resource Management 3
ITE 203 Fundamentals of Industrial Hygiene 3
ITE 207 Ergonomics 3
ITE 301 Construction Safety 3
ITE 306 Industrial Safety 3
ITE 310 Workplace Accident Investigation 3
ITE 312 Systems Safety and Process Safety Management 3
ITE 402 Safety Data Analysis 3
ITE 407 Accident Prevention 3
ITE 408 Hazardous Materials 3
Select one of the following 3
ITE 214 Residential Drawing (3)
ITE 219 Mechanical and Engineering Drafting (3)
Select one of the following 3
ITE 494 Coop Ed Program (3)
ITE 497 Internship (3)

Student learning outcomes

1. Demonstrate effective skills in written, oral, and graphical communication
2. Apply current technologies and tools to identify and solve problems in industrial settings
3. Implement occupational and personal safety, health, and well-being principle
4. Apply management and leadership skills in industrial technology

industrial technology faculty

Visit www.wsc.edu/technology-applied-science-department to learn more about the Department of Technology and Applied Science.

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Revised on: 7/22/26