

Occupational & Environmental Safety And Health

The Master of Science (M.S.) Degree program in Safety is designed to develop an advanced understanding of general and specific issues relevant to occupational and environmental safety. Students will develop skills in collecting, analyzing, drawing conclusions from data. Courses will include preparation and delivery of oral and written reports and projects relevant to accident investigations, job safety analyses, health concerns, workers' compensation issues, fire protection measures, workplace ergonomics assessment and hazard investigation.

Program Coordinator:

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Additional Admission Requirements:

Three letters of recommendation supporting the candidate's ability to do graduate level work, a successful interview with the Program Coordinator, and meeting the prerequisites listed below.

Degree Requirements:

Thirty-six units of course work which may include a practicum, successful completion of an oral defense of a thesis, or the successful completion of a research paper and a written comprehensive exam. At least 18 units must be completed in 700-level courses.

SAFETY (M.S.)

PREREQUISITES (OR EQUIVALENTS)

All prerequisites must be completed prior to enrolling in the second semester of the master's program.
(Effective fall 07)

1. SAFETY 380 INDUSTRIAL ACCIDENT PREVENTION
2. CHEM 102 CHEMISTRY
3. MATH 231 UNDERSTANDING PROBABILITY & STATISTICS

CORE COURSES - 18-30 UNITS

SAFETY 711 PRINCIPLES OF INSTITUTIONAL SAFETY

SAFETY 752 SAFETY COMMUNICATIONS

SAFETY 753 LEGAL ASPECTS IN OCCUPATIONAL SAFETY

SAFETY 757 PRINCIPLES OF OCCUPATIONAL EPIDEMIOLOGY

SAFETY 783 ENVIRONMENTAL AND SAFETY MANAGEMENT

SAFETY 787 SYSTEM SAFETY ANALYSIS

SAFETY 790 WORKSHOP

SAFETY 793 PRACTICUM

(MAY BE WAIVED FOR THOSE WITH APPROPRIATE WORK EXPERIENCE.)

SAFETY 798 INDIVIDUAL STUDIES IN SAFETY

RESEARCH REQUIREMENTS - 6-9 UNITS

EDFOUND 740 TECHNIQUES OF RESEARCH

SAFETY 799 THESIS RESEARCH or

SAFETY 789 READINGS AND RESEARCH IN SAFETY*

*Students electing SAFETY 789 Readings and Research as part of their Research Requirements need to take a mandatory Comprehensive Examination.

SUGGESTED EXPANSION COURSES - 0-18 UNITS

SAFETY 581 MOTOR FLEET SAFETY

SAFETY 582 SAFETY IN THE CONSTRUCTION INDUSTRY

SAFETY 583 INTRODUCTION TO SECURITY

SAFETY 584 CONSTRUCTION ACCIDENT PREVENTION

SAFETY 620 PRINCIPLES OF ENVIRONMENTAL MANAGEMENT

SAFETY 650 BEHAVIORAL ASPECTS OF ACCIDENT PREVENTION

SAFETY 671 APPLIED METHODS IN ERGONOMICS

SAFETY 672 ADVANCED INDUSTRIAL ERGONOMICS

SAFETY 679 PRINCIPLES AND METHODS OF INDUSTRIAL HYGIENE

SAFETY 682 CONSTRUCTION SAFETY MANAGEMENT

SAFETY 683 OCCUPATIONAL SAFETY MANAGEMENT

SAFETY 685 FIRE PROTECTION/PREVENTION

SAFETY 687 PRODUCT SAFETY

SAFETY 688 ERGONOMICS

SAFETY 689 HAZARDOUS MATERIALS MANAGEMENT

SAFETY 690 WORKSHOP

SAFETY 757 PRINCIPLES OF OCCUPATIONAL EPIDEMIOLOGY

OTHER COURSE(S) CHOSEN IN CONSULTATION WITH ADVISER