

**MA/MS in Hlth&Sfty(Occ. Safety Mgmt)**

Courses and Activities Mapped to MA/MS in Hlth&Sfty(Occ. Safety Mgmt) Outcome Set

1: Identify, describe, and classify common hazards			2: Assess and explain risk			3: Prepare safety and health ed. training materials			4: Safety procedures, training and engineering				5: Incident reporting			6: Prevent injuries and property losses		7: Necessary quantitative and analytical skills		8: Adherence to professional and ethical standards			
Identify, describe, and classify common hazards (workplace and general)			Assess and explain risk and the different perceptions of risk by individuals and segments of the population			Prepare safety and health education and training materials			Determine the proper method of managing workforce acceptance of safety procedures, training and engineering				Select the proper collection, reporting, and summarization methods for incident reporting			Prioritize and recommend the proper action level (design, safety device, warning device, training or PPE) and control techniques for loss exposure (engineering controls, administrative control, or PPE) to prevent injuries and property losses		Gain the necessary quantitative and analytical skills to manage a safety department regarding the economic, financial, and decision making aspects of safety management		Demonstrate adherence to professional and ethical standards, and become an advocate for the safety profession through development of standards, increasing knowledge base, and participating in the appropriate professional activities			
1.1: Identify common hazards in the workplace and general	1.2: Describe common hazards in the workplace and general	1.3: Classify common hazards in the workplace and general	2.1: Assess risk as it pertains to occupational safety management	2.2: Explain individuals' perceptions of risk	2.3: Explain risk for different segments of the population	3.1: Develop content-specific safety training programs	3.2: Demonstrate proficiency in small group presentations	3.3: Develop effective written presentation skills	4.1: Principles of engineering/workplace hazard resolution	4.2: Develop administrative controls for hazard resolution	4.3: Select appropriate personal protective equipment	4.4: Develop written training programs	5.1: Select proper data collection methods	5.2: Select proper paper/electronic incident reporting forms	5.3: Select proper incident data summarization data	6.1: Prioritize hazard control	6.2: Recommend action levels	7.1: Identify system safety and job safety analysis methods, procedure, and forms	7.2: Describe statistical values and probabilities of accidents for system safety analysis	8.1: Demonstrate ethical methods in conducting research	8.2: Develop effective oral and written communication skills	8.3: Promote continuing educational opportunities	8.4: Student participation
Identify common hazards in the workplace and general	Describe common hazards in the workplace and general	Classify common hazards in the workplace and general	Assess risk as it pertains to occupational safety management	Explain individuals' perceptions of risk	Explains risk for different segments of the population	Develop content-specific safety training programs	Demonstrate proficiency in small group presentations	Students will produce professional written safety training programs.	Students will use applied engineering to resolve workplace hazards.	Students will utilize administrative controls to reduce workplace hazards.	Students will correctly identify appropriate PPE to protect workers when engineering or administrative controls are inadequate.	Students will develop written training programs to educate workers in the proper use of hazard controls.	Students will demonstrate knowledge of criteria for determining recordable incidents	Students will demonstrate proficiency in completing OSHA 300 log and OSHA 301 Supplemental record with both paper and electronic forms.	Students will demonstrate proper use of OSHA 300A Summary and incident rate calculation.	Students will incorporate hazard control and management techniques into class projects.	Class projects will include student recommendations for reducing or eliminating hazards that lead to injuries and property losses.	Develop comprehensive description of system safety engineering and safety management fundamental concepts and techniques	Demonstrate ability to describe and use statistical values and probabilities of accidents for system safety analysis.	Students must successfully complete online IRB training modules and obtain committee approval of project proposals.	Students will prepare professional project reports or a thesis and orally defend the project or thesis to their committee.	Students are encouraged to join professional organizations such as ASSE, NSC, AIHA	Graduate students are encouraged to participate in national and international professional conferences through technical paper submissions and presentations.

**Courses and Learning Activities**

SFTY 605 Occupational Systems Analysis	P	P	P	P	P	P																		P	P	P	P	P	P	
SFTY 606 Human Factors/Ergonomics in Safety Management	P	P	P	P	P	P	P	P	P								P	P												
SFTY 608 Safety Legislation, Litigation, and Compliance	P	P	P					P	P	P		P	P	P	P	P										P	P	P	P	
SFTY 610 Safety Inspection, Assessment, and Control	P	P	P									P	P	P	P		P	P	R	R	P	P	P	P	P	P	P	P	P	
SFTY 616 ?	R	R	R	P	P	P	R	R	R		P	P	P	P	P	P	P	P	R	R	P	P	P	P	P	P	P	P	P	
SFTY 627 ?	P	P	P					P	P	P		P	P	P	P			P	P							P	P	P	P	
SFTY 628 ?	P	P	P	P	P	P						P	P	P	P			P	P											
SFTY 629 Field Research Project in Health or Safety	R	R	R	R	R	R	R	R	R		R	R	R	R	R	R	R	R	R	P	R	P	P	P	P	P	P	P	P	
SFTY 630 Foundations in Occupational Health and Safety Management	I	I	I									I	I	I	I	I	I	I	I											
SFTY 631 Fundamentals of Industrial Hygiene	I	I	I								P	P	P	P				P	P											
SFTY 699 ?	R	R	R	R	R	R	R	R	R		R	R	R	R	R	R	R	R	R	R	R	P	P	P	P	P	P	P	P	

**Legend:** I Introduced P Practiced R Reinforced

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