

University of South Florida, College of Public Health
Department of Environmental & Occupational Health

MSPH: Occupational Safety

In addition to core public health courses, the program builds upon a variety of courses enabling students to recognize, evaluate and control existing and potential safety hazards due to faulty equipment, process design, chemical storage and handling, and various psychological stressors in the workplace. Graduates are expected to contribute to workplace safety and health by evaluating workplace hazards, communicating these hazards to management, designing programs to control these hazards, and evaluating the program effectiveness. Students in this program will have the opportunity to be exposed to courses offered by the College of Engineering and the College of Arts and Sciences.

In addition to the overall **Master of Science in Public Health** degree competencies, *Occupational Safety* graduates will be able to:

1. Recognize safety hazards that cause disease/injury associated with occupations;
2. Apply basic scientific and engineering principles to anticipate and identify actual potential safety hazards in the workplace;
3. Interpret toxicology literature and chemical and safety data and incorporate this knowledge into the management of occupational safety hazards;
4. Apply the principles of engineering in the design of appropriate controls for workplace safety hazards;
5. Evaluate, use, maintain, and manage the use of appropriate types of personal protective equipment for control of worker exposures;
6. Conceptualize, develop, manage and evaluate occupational safety programs in industry and elsewhere;
7. Communicate to labor, management, and diverse community populations, both verbally and in writing, the nature, risks, and remediation of workplace safety hazards;
8. Interpret and assure compliance with applicable governmental regulations and standards pertaining to occupational safety and health; and
9. Design and conduct primary research in the field of occupational safety.

Association between courses and the competencies for
MSPH with an Occupational Safety Concentration

Courses	Competencies								
	1	2	3	4	5	6	7	8	9
Required concentration courses (26 credits)									
PHC 6360 Safety Management Principles and Practices	√	√			√		√	√	
PHC 6354 Safety and Health Administration						√		√	
EIN 6216 Occupational Safety Engineering	√	√		√					
EIN 6215 Engineering System Safety		√		√		√			
PHC 6423 Occupational Health Law				√		√		√	
PHC 6361 Industrial Ergonomics	√	√		√					
PHC 6356 Industrial Hygiene	√	√	√	√	√		√	√	
PHC 6310 Environmental Occupational Toxicology			√					√	
PHC 6051 Biostatistics II									√
PHC 6054 Design & Analysis of Experiments for Health Research									√
PHC 6930 Public Health Seminar	√						√		
Suggested Support Courses (select 5 credits)									
PHC 7934 Work and Environmental Physiology			√						
PHC 6004 Injury Epidemiology and Prevention	√	√		√					
INP 6935 Personnel or Organizational Psychology	√						√		
INP 7937 Occupational Health Psychology	√						√		

College of Public Health - Program Curriculum Check Sheet

Name: _____ **Dept:** **EOH**
Advisor: _____ **Degree:** **MSPH**
Semester/Year Accepted: _____ **Concentration:** **Occupational Safety**

Grades below a C (C- to F) are required to be retaken. The grade will be included in the student's GPA.

College Core Courses				Total Needed	9	Grade	Term/Year Taken
PHC	6000	Epidemiology		3			
PHC	6050	Biostatistics I		3			
		Select one from the following					
PHC	6102	Principles of Health Policy and Management		3			
PHC	6357	Environmental and Occupational Health		3			
PHC	6410	Social and Behavioral Sciences Applied to Health		3			
Required Concentration Courses				Total Needed	26	Grade	Term/Year Taken
PHC	6360	Safety Management Principles and Practices		2			
PHC	6354	Safety and Health Administration		2			
EIN	6216	Occupational Safety Engineering		3			
EIN	6215	Engineering System Safety		3			
PHC	6423	Occupational Health Law		2			
PHC	6361	Industrial Ergonomics		2			
PHC	6356	Industrial Hygiene		2			
PHC	6310	Environmental Occupational Toxicology		3			
PHC	6051	Biostatistics II		3			
PHC	6054	Design and Analysis of Experiments for Health Research OR other research course as approved by the program		3			
PHC	6930	Public Health Seminar		1			
Electives (See notes on page 1)				Minimum Needed	5	Grade	Term/Year Taken
Culminating Experiences				Total Needed	6	Grade	Term/Year Taken
PHC	6971	Thesis		6			
		Comprehensive Exam (2 credit hour enrollment required)		0			
		Safety Comprehensive Examination or ASP Exam (no credit)		0			
Minimum 46 credit hours				Total GPA Hours			GPA
				Total Hours Attempted			

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The College Reserves All Rights to Repeal And/Or Modify