

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

MPH: Occupational Safety

The Occupational Safety program is intended for students with backgrounds in science or engineering seeking a professional public health career in occupational safety. In addition to core public health courses, the program builds upon a variety of courses enabling the student to recognize, evaluate and control existing and potential safety hazards due to faulty equipment, process design, chemical storage and handling. Students are trained to apply these safety principles in assessing engineering controls, personal protective techniques, administrative practices, conducting facility audits and to know when to consult with other environmental and occupational health and safety professionals to prevent or control work related injuries, illnesses or discomfort in the workplace. The program is a collaborative effort between the College of Public Health and the College of Engineering.

In addition to the overall **Master of Public Health** degree objectives, *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; and
8. Interpret and assure compliance with applicable governmental regulations and standards pertaining to occupational safety and health.

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

Courses	Competencies							
	1	2	3	4	5	6	7	8
Required concentration courses (20 credits)								
PHC 6356 Industrial Hygiene	√		√	√	√		√	
PHC 6310 Environmental and Occupational Toxicology			√				√	
PHC 6361 Industrial Ergonomics	√	√		√				
PHC 6354 Safety and Health Administration	√	√				√	√	
PHC 6423 Occupational Health Law							√	√
EIN 6215 Engineering System Safety	√	√		√		√		
EIN 6216 Occupational Safety Engineering	√	√		√	√			
PHC 6360 Safety Management Principles and Practice	√	√				√		
PHC 6930 Public Health Seminar	√						√	
Suggested Support Courses (select 4-6 credits)								
PHC 6303 Community Air Pollutions				√				√
PHC 6350 Occupational Risk Assessment			√				√	
PHC 6351 Occupational Medicine for Health Professionals	√		√					
PHC 6422 Environmental Law							√	√
PHC 6364 Industrial Hygiene Aspects of Plant Operations	√	√		√	√			
INP 6056 Industrial/Organizational Psychology	√						√	
INP 7937 Occupational Health Psychology	√						√	

College of Public Health - Program Curriculum Checksheet

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

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

Prerequisites (not included in total GPA hours)			Total Needed	Grade	Sem/Yr Taken
College Core Courses			Total Needed	15	
PHC	6000	Epidemiology	3		
PHC	6050	Biostatistics I	3		
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	20	
PHC	6356	Industrial Hygiene	2		
PHC	6310	Environmental and Occupational Toxicology	3		
PHC	6361	Industrial Ergonomics	2		
PHC	6354	Safety and Health Administration	2		
PHC	6423	Occupational Health Law	2		
EIN	6215	Engineering System Safety	3		
EIN	6216	Occupational Safety Engineering	3		
PHC	6360	Safety Management Principles and Practice	2		
PHC	6930	Public Health Seminar	1		
Electives			Total Needed	4-6	
PHC	6303	Community Air Pollutions	3		
PHC	6350	Occupational Health Risk Assessment	3		
PHC	6351	Occupational Medicine for Health Professionals	2		
PHC	6422	Environmental Health Law	2		
PHC	6364	Industrial Hygiene Aspects of Plant Operations	2		
INP	6056	Industrial/Organizational Psychology	3		
INP	7937	Occupational Health Psychology	3		
Culminating Experiences					
PHC	6945	Supervised Field Experience (1-3 credits)			
PHC	6977	Special Project	3		
PHC	6936	Public Health Capstone Course	3		
-	-	Concentration Exam (no credit, 2 credit hours of enrollment required)	-		
Minimum 45 credit hours (not including field experience)			Total GPA Hours		GPA
			Total Hours Attempted		

Rev
Fall2009

The College Reserves All Rights to Repeal And/Or Modify