

Occupational Safety (MSPH)

The field of Occupational Safety plays an important role in the protection of worker safety and promotion of worker well-being through workplace assessment and interventions. The training in Occupational Safety is designed for students with backgrounds in science, engineering, or social sciences so that they will be able to anticipate, recognize, evaluate, and control hazards in the work place. The development of research skills is also a critical component of the MSPH program.

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.

Prerequisites

- Public health course prerequisites: None.
- Suggested/preferred undergraduate majors: science, engineering, technology and management, and psychology.
- Prerequisite undergraduate courses: None
- Work experience: None required; however occupational work experience is beneficial.
- Minimum undergrad GPA: Upper division GPA 3.0.
- Verbal GRE score: minimum 450
- Quantitative GRE score: minimum 550
- Other criteria: Two Letters of recommendation.

Additional Program Information

- Electives: Two required from the following or other approved electives:
 - PHC 7934 Work and Environmental Physiology (2)
 - PHC 6004 Injury Epidemiology and Prevention (*offered on-line by partner College of Public Health at Florida International University*) (3)
 - INP 6935 Personnel or Organizational Psychology (3)
 - INP 7937 Occupational Health Psychology (3)

Additional Links

- [College Master of Science in Public Health degree requirements](#)
- [Department Specific Guidelines](#) for Special Project, Field Experience, Comprehensive Exam
- [Academic and Student Affairs](#): Registration, Academic Procedures, etc.
- [Tuition and Financial Aid](#)
- [College Admission Requirements](#)
- [Course Descriptions](#)

College of Public Health - Program Curriculum Check Sheet						
Name:			Dept: EOH			
Advisor:			Degree: MSPH			
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.						
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		
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 previous page)			Minimum Needed	5		
Culminating Experiences			Total Needed	6		
PHC	6971	Thesis		6		
		Comprehensive Exam (2 credit hour enrollment required)		0		
		Safety Concentration Examination or ASP Exam (no credit)		0		
Minimum 46 credit hours			Total GPA Hours			GPA
			Total Hours Attempted			
Rev Fall2009			The College Reserves All Rights to Repeal And/or Modify			