

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

MSPH: Occupational Health

The MSPH in Occupational Health is an academic program that prepares occupational medicine physicians and health professionals with the research and professional knowledge and skills necessary to address the complex health and safety issues found in today's business environment. There is sufficient flexibility to accommodate a variety of interests and career goals, including: practice of occupational medicine in an industrial setting; development, administration and management of occupational health programs, practice of occupational medicine in an industrial setting; the development and management of governmental programs which may be required by law to provide surveillance, monitoring and hazard evaluation; careers in teaching and research in an academic setting or; planning, management and administration of occupational programs in an industrial setting emphasizing epidemiological, clinical and toxicological research. The MSPH curriculum focuses on the worker, the workplace, information management and administration. The student is provided the opportunity to acquire sufficient knowledge and skills to administer and manage occupational health services programs. The MSPH emphasizes protective and preventive policies, procedures, practices and programs. Information management and administration are stressed. The MSPH also gives importance to social, legal, and ethical issues concerns. There is emphasis and sufficient opportunity for conducting research; students are sufficiently prepared to pursue further graduate work (e.g., PhD degree) or pursue a career in an academic institution.

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

1. Summarize the history and social context of occupational medicine and their influence on workers health;
2. Identify human and physical factors affecting workers health including geographic, socioeconomic and lifestyle characteristics;
3. Relate fundamentals of epidemiologic principles to the incidence of work related health problems and conditions;
4. Use appropriate research principles and practices in investigating, controlling and preventing occupational health hazards and conditions;
5. Apply principles of toxicology in the manifestation of exposure related illnesses and identify illnesses not related to exposures including psychological disorders;
6. Work effectively within the health and safety programs in industries of major importance to Florida and the nation;
7. Analyze the role of government regulations, insurance policies and procedures along with the ethical and legal ramifications in treatment and prevention of work related conditions and injury;
8. Develop a strategy for a preventive program on a health related issue in the workplace from such items as blood borne pathogens, ergonomics, respiratory protection, general preventive medicine, etc.;

9. Focus research activities on specific regional workforce needs; and
10. Be able to communicate a thorough understanding of occupational and environmental medicine and critical research needs in the field.

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

Courses	Competencies									
Required concentration (23 credits)	1	2	3	4	5	6	7	8	9	10
PHC 6356 Industrial Hygiene	√	√	√	√					√	√
PHC 6351 Occupational Medicine for Health Professionals		√			√			√	√	√
PHC 6364 Industrial Hygiene Aspects of Plant Operations		√		√		√		√		
PHC 6360 Safety Management Principles and Practice	√	√		√		√		√		√
PHC 6930 Seminar in Occupational & Environmental Research		√						√	√	√
PHC 6423 Occupational Health Law	√						√			
PHC 6354 Safety and Health Administration				√		√	√			
PHC 7019 Occupational Epidemiology		√	√							
Select One of the following: (select 3 credits)										
PHC 6310 Environmental/Occupational Toxicology		√			√					
PHC 6350 Occupational Health Risk Assessment		√	√							
Suggested Support Courses (select 2 credits)										
PHC 6370 Biological and Surface Monitoring		√								
PHC 6361 Ergonomics		√		√		√				

College of Public Health - Program Curriculum Check Sheet

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

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	15	Grade	Term/Year Taken
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	23	Grade	Term/Year Taken
PHC	6356	Industrial Hygiene		2		
PHC	6351	Occupational Medicine for Health Professionals		3		
PHC	6364	Industrial Hygiene Aspects of Plant Operations		2		
PHC	6360	Safety Management Principles and Practices or other approved safety course		2		
PHC	6930	Seminar in Occupational and Environmental Research (1 credit each semester for a minimum of 4 semesters)		4		
PHC	6423	Occupational Health Law		2		
PHC	6354	Safety and Health Administration		2		
PHC	7019	Occupational Epidemiology		3		
		Select ONE of the following:				
PHC	6310	Environmental/Occupational Toxicology		3		
PHC	6350	Occupational Health Risk Assessment		3		
Electives (See notes on page 2)			Minimum Needed	2	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		
Minimum 46 credit hours			Total GPA Hours			GPA
			Total Hours Attempted			