

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

MSPH: Industrial Hygiene

The field of industrial hygiene plays an important role in the protection of worker health through workplace assessment and interventions. The training in industrial hygiene is designed to build on the basic skill of engineers and scientists 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 program. The curriculum includes the public health core courses, and program courses relating to occupational diseases, exposure assessment, control measures, and assessment of risk. Graduates are expected to contribute to worker health through their ability to gather data, form opinions, recommend solutions and interact with management, employees, and the community in implementing the solutions. Students will have the opportunity to expand their technical base through electives in the areas of environmental health, industrial safety, risk management, and ergonomics. It is expected that the students will pursue professional certification. The MSPH in Industrial Hygiene is accredited by the Related Accreditation Commission of the Accreditation Board of Engineering and Technology (ABET).

In addition to the overall **Master in Public Health*** degree competencies, *Industrial Hygiene* graduates *will develop the following competencies:*

1. Recognize health hazards that cause illness and injury associated with occupations;
2. Apply basic scientific and engineering principles to anticipate and identify actual and potential health hazards in the workplace;
3. Interpret literature and incorporate this knowledge into the evaluation and management of occupational health hazards;
4. Apply the principles of engineering in the design of appropriate controls for workplace health hazards;
5. Evaluate need, recommend, maintain, and manage the use of appropriate types of personal protective equipment for control of worker exposures;
6. Conceptualize, develop, manage, and evaluate health programs in industry and elsewhere;
7. Communicate verbally and in writing research methods, results, conclusions, and implications as demonstrated through the preparation and defense of a thesis;
8. Communicate verbally and in writing to professional peers, labor, management, and diverse community populations, the nature, risks, and remediation of occupational health hazards; and
9. Interpret and assure compliance with applicable government regulations and national standards for good work practices related to occupational safety and health.

*The MSPH in Industrial Hygiene is a professional degree thus includes the same core degree competencies as our MPH.

College of Public Health - Program Curriculum Check Sheet

Name: _____ **Dept:** **EOH**
Advisor: _____ **Degree:** **MSPH**
Semester/Year Accepted: _____ **Concentration:** **Industrial Hygiene**

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	22	Grade	Term/Year Taken
PHC	6356	Industrial Hygiene		2		
PHC	6358	Industrial Hygiene – Physical Agents		2		
PHC	6310	Environmental Occupational Toxicology		3		
PHC	6361	Industrial Ergonomics		2		
PHC	6365C	Analytical Method in Industrial Hygiene I		2		
PHC	6366C	Analytical Method in Industrial Hygiene II		2		
PHC	6367	Control Aspects of Industrial Hygiene		2		
PHC	6423	Occupational Health Law		2		
PHC	6360	Safety Management Principles and Practices		2		
PHC	6362	Industrial Ventilation		2		
PHC	6930	Public Health Seminar		1		
Electives (See notes on page 1)			Total Needed	5	Grade	Term/Year Taken
Culminating Experiences			Total Needed		Grade	Term/Year Taken
PHC	6945	Supervised Field Experience (1-12 credits, see notes on page 1)		1-12		
PHC	6971	Thesis		6		
		Comprehensive Exam* (no credit, 2 credit hour enrollment required)		0		
Minimum 48 credit hours (not including Field Experience)			Total GPA Hours			GPA
			Total Hours Attempted			