

## **MPH in Environmental and Occupational Health Academic Year 2015-2016 Program Profile**

Natural environmental processes and human interaction affect the micro and macro environment in which we live, and directly affects or influences health. The MPH in Environmental and Occupational Health Sciences prepares present and future public health scientists and practitioners to assess and evaluate physical, chemical and biological stressors in the environments people live and work, and identify and develop effective intervention and control methodologies. Interaction with a diverse faculty and competency-based curriculum exposes students to sound scientific theory and methodology in several disciplines and integrates their application to the field of environmental and occupational health. Students in this concentration are provided with the unique opportunity to translate knowledge acquired in the classroom and laboratory into practical applications in the real world through participation in faculty research; internships in industry, state or national agencies; and visits to these organizations. In addition to required courses such as environmental data analysis, human health toxicology, and hazard recognition, evaluation and control, coursework can be taken for additional focus in areas such as occupational health practice/industrial hygiene; exposure and risk assessment; environmental epidemiology; global environmental health; policy; and air pollution. For professionals already in the field of environmental and occupational health, this MPH concentration provides students with an excellent opportunity to enhance their knowledge and expertise in specific areas of interest by working alongside faculty researchers and environmental and occupational professionals at the local, state, national and international level. Students in the environmental and occupational health concentration take an average of two years to complete a minimum of 48 semester credit hours to earn the MPH degree.

### **Environmental and Occupational Health Concentration Competencies**

Competency Description
Identify and discuss health, safety, and ecological impacts of environmental agents.
Recognize and describe factors that modify exposures to environmental hazards.
Perform the processes of recognizing, evaluating, and controlling hazards.
Identify and understand environmental and occupational health policies, regulations and standards/guidelines.
Develop, apply and evaluate programs in environmental and occupational health.

## MPH Core Competencies

The Master of Public Health degree program prepares students to address the following core competencies while advancing their knowledge of public health:

Competency	Competency Description
Public Health Knowledge & Skills	The MPH student will apply basic knowledge and skills of the core public health sciences that include: biostatistics, epidemiology, health management and policy, behavioral and community health, and environmental and occupational health, to the prevention of illness and injury and the promotion of population health.
Integration of Theory and Practice	The MPH student will demonstrate the effective integration of theory and practice related to public health issues that affect diverse populations, through a thesis or comprehensive examination and a practice experience.
Communication and Informatics	The MPH student will gather, organize, and manage data and information effectively to address public health issues through oral and written communications to diverse professionals and lay audiences.
Diversity and Culture	The MPH student will demonstrate the ability to interact with both diverse individuals and communities to produce or impact an intended public health outcome.
Professionalism	The MPH student will apply ethical principles to the practice of public health in a variety of settings, demonstrating personal integrity while embracing diverse communities.

**Master of Public Health: Environmental and Occupational Health**  
**48 Credit Hours Required**  
**Full-Time – Fall Admission**

<b>Student</b>		<b>Advisor</b>		
<b>Email</b>		<b>Semester of CPH</b>		
<b>Mobile Phone</b>		<b>Semester of Comprehensive Exam</b>		
<b>Semester Program Began</b>		<b>Expected Graduation Term</b>		
<b>Semester Initiated Practice Experience</b>		<b>Completed Practice Experience Requirements</b>		
<b>Practice Site</b>		<b>Practice Supervisor</b>		
<b>Fall _____</b>		<b>SCH</b>	<b>Term</b>	<b>Grade (or AP)</b>
EOHS 5300	Environmental Determinants of Health	<b>3</b>		
BACH 5300	Theoretical Foundations of Individual and Community Health	<b>3</b>		
BIOS 5300	Principles of Biostatistics	<b>3</b>		
EPID 5300	Principles of Epidemiology	<b>3</b>		
PHED 5197	Professional and Academic Development	<b>0.5</b>		
<b>Spring _____</b>		<b>12.5</b>		
HMAP 5300	Introduction to Health Management and Policy	<b>3</b>		
EOHS 5330	Recognition, Evaluation, and Control of Environmental Hazards	<b>3</b>		
EOHS 5350	Environmental & Occupational Toxicology	<b>3</b>		
BIOS 5310	Intermediate Biostatistics	<b>3</b>		
PHED 5197	Professional and Academic Development	<b>0.5</b>		
<b>Summer _____</b>		<b>12.5</b>		
Elective _____		<b>3</b>		
<b>Fall _____</b>		<b>3</b>		
EOHS 5310	Evaluation and Control of Biological Agents and Infectious Diseases	<b>3</b>		
EOHS 5331	EOHS Sampling & Analytical Methods	<b>3</b>		
Elective _____		<b>3</b>		
Elective _____		<b>3</b>		
PHED 5197	Professional and Academic Development	<b>0.5</b>		
PHED 5000	Certified in Public Health (CPH) Exam	<b>0</b>		
<b>Spring _____</b>		<b>12.5</b>		
Elective _____		<b>3</b>		
Elective _____		<b>3</b>		
EOHS 5297	Public Health Practice Experience	<b>1.5</b>		
EOHS 5001	MPH Comprehensive Exam (Environmental)	<b>0</b>		
		<b>7.5</b>		
	<b>Total Degree Hours</b>	<b>48.0</b>		

Reviewed and agreed on this date \_\_\_\_\_

SPH Advisor \_\_\_\_\_

Student \_\_\_\_\_