

MPH in Environmental and Occupational Health Sciences Academic Year 2013-2014

Natural environmental processes and human interaction affect the micro and macro environment in which we live, and directly effects 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 Sciences 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 Masters 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.

**SEQUENCE OF COURSEWORK
FULL-TIME TWO YEAR (FALL ENTRY)**

FALL 2013					
TOTAL CREDIT HOURS: 12.5					
EOHS 5300	BIOS 5300	EPID 5300	BACH 5300	PHED 5197	
ENVIRONMENTAL HEALTH	BIOSTATISTICS FOR PUBLIC HEALTH 1	PRINCIPLES OF EPIDEMIOLOGY	THEOR FOUND OF IND & COM HLTH	MPH PORTFOLIO	
CREDIT HOURS: 3	CREDIT HOURS: 3	CREDIT HOURS: 3	CREDIT HOURS: 3	CREDIT HOURS: 0.5	
SPRING 2014					
TOTAL CREDIT HOURS: 12.5					
EOHS 5330	EOHS 5350	BIOS 5310	HMAP 5300	PHED 5197	
RECOG, EVAL, & CONTROL ENVIORN. HAZARDS	ENVIRONMENTAL & OCCUPATIONAL TOXICOLOGY	BIOSTATISTICS FOR PUBLIC HEALTH 2	INTRO TO HEALTH MANAGEMENT AND POLICY	MPH PORTFOLIO	
CREDIT HOURS: 3	CREDIT HOURS: 3	CREDIT HOURS: 3	CREDIT HOURS: 3	CREDIT HOURS: 0.5	
SUMMER 2014					
TOTAL CREDIT HOURS: 3					
ELECTIVE					
CREDIT HOURS: 3					
FALL 2014					
TOTAL CREDIT HOURS: 12.5					
EOHS 5310	EOHS 5331	ELECTIVE	ELECTIVE	PHED 5000	PHED 5197
EVAL & CONTROL OF BIO AGENTS & INFECT. DISEASE	EOHS SAMPLING & ANALYTICAL METHODS	ELECTIVE	ELECTIVE	CERTIFIED IN PUBLIC HEALTH EXAM	MPH PORTFOLIO
CREDIT HOURS: 3	CREDIT HOURS: 3	CREDIT HOURS: 3	CREDIT HOURS: 3	CREDIT HOURS: 0	CREDIT HOURS: 0.5
SPRING 2015					
TOTAL CREDIT HOURS: 7.5					
ELECTIVE	ELECTIVE	EOHS 5297	EOHS 5001		
ELECTIVE	ELECTIVE	PUBLIC HEALTH PRACTICE EXPERIENCE	MPH COMP EXAM		
CREDIT HOURS: 3	CREDIT HOURS: 3	CREDIT HOURS: 1.5	CREDIT HOURS: 0		

THE SEQUENCE OF COURSEWORK REFLECTS REQUIRED COURSES THAT ARE GUARANTEED TO BE OFFERED (EXCLUDES ELECTIVES).