

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
Recognize and describe factors that modify exposures to environmental hazards

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 (SPRING ENTRY)**

SPRING 2014				
TOTAL CREDIT HOURS: 12.5				
EOHS 5300 ENVIRONMENTAL HEALTH CREDIT HOURS: 3	EPID 5300 PRINCIPLES OF EPIDEMIOLOGY CREDIT HOURS: 3	EOHS 5330 RECOGNITION, EVALUATION, & CONTROL ENVIRONMENT HAZARDS CREDIT HOURS: 3	EOHS 5350 ENVIRONMENTAL & OCCUPATIONAL TOXICOLOGY CREDIT HOURS: 3	PHED 5197 MPH PORTFOLIO CREDIT HOURS: 0.5
SUMMER 2014				
TOTAL CREDIT HOURS: 6				
HMAP 5300 INTRO TO HEALTH MGMT AND POLICY CREDIT HOURS 3	ELECTIVE CREDIT HOURS: 3			
FALL 2014				
TOTAL CREDIT HOURS: 12.5				
BIOS 5300 BIostatISTICS FOR PUBLIC HEALTH 1 CREDIT HOURS: 3	EOHS 5310 EVAL & CTRL OF BIO AGENTS & INFECT DISEASE CREDIT HOURS: 3	EOHS 5331 EOHS SAMPLING & ANALYTICAL METHODS CREDIT HOURS: 3	BACH 5300 THEORETICAL FOUNDATIONS OF IND. COMM HEALTH CREDIT HOURS: 3	PHED 5197 MPH PORTFOLIO CREDIT HOURS: 0.5
SPRING 2015				
TOTAL CREDIT HOURS: 9.5				
BIOS 5310 BIostatISTICS FOR PUBLIC HEALTH 2 CREDIT HOURS: 3	ELECTIVE CREDIT HOURS: 3	ELECTIVE CREDIT HOURS: 3	PHED 5000 CERTIFIED IN PUBLIC HEALTH EXAM CREDIT HOURS: 0	PHED 5197 MPH PORTFOLIO CREDIT HOURS: 0.5
SUMMER 2015				
TOTAL CREDIT HOURS: 1.5				
EOHS 5297 PUBLIC HEALTH PRACTICE EXPERIENCE CREDIT HOURS: 1.5				

FALL 2015 TOTAL CREDIT HOURS: 6				
ELECTIVE CREDIT HOURS: 3	ELECTIVE CREDIT HOURS: 3	EOHS 5001 MPH COMPREHENSIVE EXAM CREDIT HOURS: 0		

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