

ENVIRONMENTAL HEALTH SCIENCES, MPH

Overview

The Environmental Health Sciences (EHS) MPH Program at Tulane will provide training in assessment of environmental health hazards, integrating emerging knowledge and strategies to understand and reduce public health risk. The curriculum and applied learning opportunities draw upon Tulane's extensive research and over five decades of experience in providing leadership training in environmental health to students locally, nationally and from around the world to tackle critical contemporary issues in climate change, exposure science, and data science. Coursework and learning opportunities are designed to support the range of science- and public health-based expertise needed to understand and protect health across home, work and community environments.

Program Competencies

1. Analyze key environmental health hazards linked to man-made or natural conditions and modifying factors.
2. Apply assessment methods to anticipate, evaluate, and manage environmental exposures and reduce health risks.
3. Utilize toxicologic and population science principles to assess health risks associated with environmental hazards.
4. Interpret data to identify and evaluate environmental health risks.
5. Communicate the nature of health risks posed by environmental hazards.

Requirements

Course ID	Title	Credits
SPHTM Foundational Course requirements		
SPHL 6020	Foundations in Public Health	3
SPHL 6050	Biostatistics for Public Health	3
SPHL 6060	Epidemiology for Public Health	3
SPHL 6070	Health Systems Policy and Management	3
SPHL 6080	Design Strategies in Public Health Programs	3
Total Credit Hours		15

Course ID	Title	Credits
ENHS Concentration Required Courses		
ENHS 6080	Fundamentals of Environmental Health Sciences	3
ENHS 6600	Principles of Toxicology	3
ENHS 6970	Exposure Assessment	3
ENHS 7610	Applied Data Science for Climate and Health	3
ENHS 7620	Health Risk Assessment	3
Total Credit Hours		15

Course ID	Title	Credits
Elective courses		12
ENHS MPH students take 12 credits of electives selected from courses offered within the department, school, or university in consultation with an academic advisor.		

Course ID	Title	Credits
Additional Program Requirements		
SPHL 9980	Applied Practice Experience	1
SPHL 7950	Integrative Learning Experience	1
SPHL 6000	Fundamentals of Interprofessional Collaboration & Practice	1
Total Program Hours		45

MPH in Environmental Health Sciences Model Course Schedule

Year 1

Fall		Credit Hours
SPHL 6080	Design Strategies in Public Health Programs	3
SPHL 6050	Biostatistics for Public Health	3

ENHS 6600	Principles of Toxicology	3
ENHS 6080	Fundamentals of Environmental Health Sciences	3
SPHL 6000	Fundamentals of Interprofessional Collaboration & Practice	1
Credit Hours		13
Spring		
SPHL 6020	Foundations in Public Health	3
SPHL 6060	Epidemiology for Public Health	3
ENHS 6970	Exposure Assessment	3
SPHL 6070	Health Systems Policy and Management	3
Credit Hours		12
Summer Session		
SPHL 9980	Applied Practice Experience	1
Credit Hours		1
Year 2		
Fall		
ENHS 7610	Applied Data Science for Climate and Health	3
SPHL 7950	Integrative Learning Experience	1
Electives		6
Credit Hours		10
Spring		
ENHS 7620	Health Risk Assessment	3
Electives		6
Credit Hours		9
Total Credit Hours		45

Contact

To learn more about the department, visit <https://sph.tulane.edu/enhs/home> (<https://sph.tulane.edu/enhs/home/>).