

DISASTER MANAGEMENT, MPH

The MPH in Disaster Management program prepares professionals to apply scientific principles to prevent, detect, and mitigate environmental public health problems and threats associated with natural and technological disasters- locally to globally. Students gain skills to implement population-based interventions to protect communities, particularly vulnerable populations, from natural, accidental, and intentional disasters. This MPH offering is intended for both pre-professionals and mid-career individuals. Students typically have a background in a life or physical science or engineering. This course is offered by Distance Learning and on campus.

Faculty Lead: Stephen Murphy, PhD

Program Competency

Upon completion of the MPH degree in Disaster Management, graduates will have the following competencies:

- Apply scientific principles to prevent, detect, respond to, and mitigate local and global threats to environmental health that are associated with natural and technological disasters.
- Integrate public health strategies in each core component of disaster management: prevention, preparedness, response, mitigation, and recovery.
- Implement population-based interventions to protect communities and particularly vulnerable populations from natural, accidental, and intentional disasters that affect personal and community health.
- Evaluate the capacity of public health systems to effectively respond to natural and intentional disasters.
- Apply international, federal, and state regulatory policies, guidelines, and authorities to address public health needs during disasters.

Requirements

The MPH Degree in Disaster management requires 45 credits that includes:

SPHTM Foundational Requirements (15 credits)

Course ID	Title	Credits
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

• Program Course Requirements (21 credits total)

Course ID	Title	Credits
ENHS 6030	Survey of Environmental Health	3
ENHS 6600	Principles of Toxicology	3
ENHS 6910	Environmental Aspects of Disaster Management	3
ENHS 6930	Planning and Implementation in Disaster Management	3
ENHS 6950	Psychosocial Aspects of Disaster	3
ENHS 7620	Health Risk Assessment	3
ENHS 7750	Environmental Policy ¹	3
Total Credit Hours		21

¹ Not required for distance learning students

Elective courses (9 credits)

Selected from courses offered within the department, school, or university in consultation with an academic advisor.

Applied Practice Experience (SPHL 9980)

The Applied Practice Experience (APE) (formerly practicum) is a supervised practice experience conducted in an agency or organization external to the university to gain practical experience. The APE allows students to demonstrate attainment of at least five competencies, including at least 3 from the foundational competencies (CEPH Criterion D2). The APE is conducted after completion of the foundational courses. After identifying the APE setting and defining the competencies, students enter the information into Terra Dotta. An APE report is required that summarizes the field experiences.

Integrated Learning Experience (SPHL 7950)

All students must complete an Integrated Learning Experience (ILE) (formerly culminating experience) that demonstrates the synthesis of foundational and concentration competencies. Students in the MPH in Disaster Management conduct a public health analysis.

Model Course Schedule
Year 1, Fall Semester

Course ID	Title	Credits
SPHL 6020	Foundations in Public Health	3
SPHL 6050	Biostatistics for Public Health	3
ENHS 6910	Environmental Aspects of Disaster Management	3
ENHS 6030	Survey of Environmental Health	3
Total Credit Hours		12

Year 1, Spring Semester

Course ID	Title	Credits
SPHL 6070	Health Systems Policy and Management	3
SPHL 6060	Epidemiology for Public Health	3
SPHL 6080	Design Strategies in Public Health Programs	3
ENHS 6930	Planning and Implementation in Disaster Management	3
Total Credit Hours		12

Year 1, Summer

Course ID	Title	Credits
SPHL 9980	Applied Practice Experience	0
Total Credit Hours		0

Semester credits: 0 credit with full-time enrollment

Year 2, Fall Semester

Course ID	Title	Credits
SPHL 7950	Integrative Learning Experience	0
ENHS 6950	Psychosocial Aspects of Disaster	3
ENHS 6600	Principles of Toxicology	3
Elective		6
Total Credit Hours		12

Year 2, Spring Semester

Course ID	Title	Credits
ENHS 7620	Health Risk Assessment	3
ENHS 7750	Environmental Policy	3
SPHL 7950	Integrative Learning Experience	0
Electives		3
Total Credit Hours		9

Total degree credits: 45