

# EPIDEMIOLOGY, MPH

The MPH in Epidemiology is a professional degree that prepares students to serve as epidemiologists in mid-level positions in public health research or practice settings. The program appeals to professionals currently employed in the health field and as well as those without previous training or experience in public health.

The MPH in epidemiology is highly analytical and methods-based. Students learn to apply conceptual methodology to the study of public health problems and health disparities as a means of understanding how to prevent or address them. As an MPH student in epidemiology, the knowledge base and research skills are applied within a chosen content area of current importance in the field, such as chronic or infectious disease; environmental, reproductive, molecular/cancer, or genetic epidemiology. Through coursework and other learning experiences, students gain a thorough knowledge of the sources of health data, how to collect data from original sources, how to process, analyze and effectively report findings from epidemiologic studies.

Graduates can design and carry out studies in which epidemiologic information is needed for making sound health policy decisions or for the management of research projects in both public and private agencies and institutions.

## Program Competencies

1. Communicate characteristics and threats to validity of major study designs used in epidemiologic research.
2. Summarize the strengths and weaknesses of an epidemiologic study
3. Write a study protocol for a specific research question.
4. Differentiate the major measures of disease frequency and association used in epidemiologic research
5. Analyze public health data using appropriate statistical techniques and software

## Requirements

The MPH Degree in Epidemiology requires 45 credits.

Course ID	Title	Credits
<b>SPHTM Foundational Requirements</b>		
SPHL 6000	Fundamentals of Interprofessional Collaboration & Practice	1
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
<b>Program Course Requirements</b>		
EPID 6230	Computer Packages for Epidemiology	3
BIOS 6040	Intermediate Biostatistics	3
EPID 7120	Epidemiologic Methods II	3
EPID 7130	Observational Epidemiology	3
EPID 7160	Survey Methodology	3
<b>Electives</b>		<b>12</b>
<b>Additional coursework:</b>		
SPHL 9980	Applied Practice Experience	1
SPHL 7950	Integrative Learning Experience	1
<b>Total Credit Hours</b>		<b>45</b>

## Minimum Prerequisite Grade Requirements for Advanced Epidemiology Courses

Some advanced epidemiology courses have specific **prerequisite grade requirements**. Students must earn a **minimum grade of B- or B** in prerequisite courses to be eligible to enroll in subsequent coursework. Meeting the general academic standing requirements does not override prerequisite grade requirements for individual courses. Please refer to the Epidemiology Handbook or discuss with your faculty advisor, program manager, or student success advisor.

## MPH in Epidemiology Model Course Schedule

This is an example of a course schedule for a Fall start. Students work with their faculty and student success advisors to create a course schedule tailored to meet their individual needs.

Course ID	Title	Credits
<b>Year 1 Fall</b>		
EPID 6230	Computer Packages for Epidemiology	3
SPHL 6000	Fundamentals of Interprofessional Collaboration & Practice	1
SPHL 6020	Foundations in Public Health	3
SPHL 6050	Biostatistics for Public Health	3
SPHL 6060	Epidemiology for Public Health	3
<b>Year 1 Spring</b>		
EPID 7120	Epidemiologic Methods II	3
BIOS 6040	Intermediate Biostatistics	3
SPHL 6070	Health Systems Policy and Management	3
SPHL 6080	Design Strategies in Public Health Programs	3
<b>Year 1 Summer</b>		
SPHL 9980	Applied Practice Experience	1
Electives		3
<b>Year 2 Fall</b>		
EPID 7130	Observational Epidemiology	3
EPID 7160	Survey Methodology	3
Electives		6
<b>Year 2 Spring</b>		
SPHL 7950	Integrative Learning Experience	1
<b>Total Credits</b>		<b>45</b>

**Program String and Field of Study:** PHMPH\_GR, EPI

## Contact

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