**PUBLIC HEALTH MPH: EPIDEMIOLOGY**

The Epidemiology track emphasizes the application of epidemiologic theory and methods for promoting social justice and health equity. The integrated multidisciplinary curriculum bridges theory, research, and practice to prepare students to engage in rigorous, collaborative, evidence-informed and reflexive public health practice. Through both didactic and experiential learning, students acquire foundations of applied epidemiological methods, epidemiologic data analysis, theories of social inequality, social epidemiology, and community partnership building. Graduates are able to collect, analyze, and interpret epidemiological information, generate theory-driven hypotheses and research questions, and work in true collaboration with diverse community partners to create social change to improve the public’s health and reduce health inequities.

**Related Certificate**


The Zilber School of Public Health offers a Master of Public Health (MPH), a Ph.D. in Public Health with concentrations in Biostatistics and Community and Behavioral Health Promotion, Ph.D. in Epidemiology, and a Ph.D. in Environmental Health Sciences.

**Master of Public Health**

The Zilber School of Public Health (SPH) offers a Master of Public Health (MPH), a professional master's degree program with five distinct tracks of study. The MPH program provides students with a broad understanding of public health practice and allows specialization in Biostatistics, Community and Behavioral Health Promotion, Environmental Health Sciences, Epidemiology, or Public Health Policy and Administration.

Like most MPH programs, the Zilber SPH's program imparts knowledge and skills in each of these core disciplines in public health, helping prepare all students to analyze information and consider solutions to public health problems using a social justice lens at the community, institutional, and societal levels. Courses have been designed to teach program- and track-level competencies as defined by Zilber SPH faculty. Program-level competencies reflect key public health skills including systems thinking, ethics, analytical methods, communications/informatics, diversity/culture, leadership, and professionalism. In addition, students engage in a specific track of study, gaining deeper competency in one of the five areas. Upon graduation students are prepared for positions in a range of population health settings and/or for doctoral-level study.

**Application Deadlines**

If at any time you are unsure about a published date or deadline (http://uwm.edu/graduateschool/program-deadlines), call the Registrar’s Office at (414) 229-3800 or submit a contact form (http://uwm.edu/Registrar/contact-us) online.

**Admission**

An applicant must meet Graduate School requirements plus as the desired track of study requires: the following program requirements to be considered for admission to the program. These materials will be considered in a holistic admissions process with special attention to ensure a diverse student body.

1. Three letters of recommendation from persons familiar with the applicant’s academic experience and potential for graduate work in public health.
2. CV or resume.
3. Score report from the General Test of the Graduate Record Examination (GRE) (http://uwm.edu/graduateschool/admission/#gre), taken within the last five years.
4. The admissions committee may consider GMAT (http://uwm.edu/graduateschool/admission/#gmat), LSAT, MCAT scores in place of GRE (http://uwm.edu/graduateschool/admission/#gre) scores. Students requesting this or any other exception should apply in writing for consideration by the Applications Review Committee.
5. Address the following two Short Essay questions, limiting responses to no more than 500 words (approximately 250 words per question):
   - Describe how your professional, volunteer, and educational background has led you to seek a degree in Public Health.
   - How will your desired track of study help you reach your personal and professional goals in Public Health?
6. International applicants must also meet admission standards set and monitored by UWM's Center for International Education.
7. MPH applicants must use SOPHAS (https://sophas.org) to apply. When applying applicants must select their track of which they are applying; Biostatistics, Community and Behavioral Health Promotion, Environmental Health Sciences, Epidemiology, or Public Health Policy & Administration.
8. Tracks may have additional admission requirements, which can be found here (http://uwm.edu/publichealth/faqs).

**Faculty Advisor**

Each student will be assigned a track-specific Faculty Advisor during Orientation week preceding the first semester. Faculty Advisors assist the student in the development of an individual Plan of Study designed to advance the career goals of the student and be consistent with the track curriculum. The Advisor plays an important role in connecting the Field Experience, Capstone, and career goals for each student.

UWM's Zilber School recognizes the importance of a strong faculty advising program coupled with a sound system for monitoring student progress in all programs. Each semester, students are asked to assess their own progress through a required survey. They also complete a progress form together with their advisor. Feedback to students will be provided by 1) their faculty advisor in December during their advisor-student meeting and 2) a letter in May signed by their faculty advisor and program director confirming progress and noting any guidance for subsequent years, including plans and timetable for remediation when necessary.

Administrative offices of the Zilber School of Public Health have staff assigned on policies and procedures for admission, academic progression, and graduation. If deemed necessary, any student can petition to the Zilber SPH's Office of Academic and Student Affairs for a reassessment of Faculty Advisor. Program track faculty will make every effort to accommodate requests to give all students opportunities for success in the program.
Credits and Courses
All students enrolled in the MPH program take a common set of core classes designed to give basic skills and knowledge of public health concepts. The core curriculum consists of at least 20 credit hours, including at least three credits Field Experience and a two-credit capstone seminar. In addition to the common core, students complete the required coursework in one of five specialization tracks: Biostatistics, Community and Behavioral Health Promotion, Environmental Health Sciences, Epidemiology, or Public Health Policy and Administration. The MPH degree varies from 42-44 credits depending on the track. Students must maintain a cumulative G.P.A. of 3.0 or better in order to progress through the program.

Unless noted, all courses are 3 credits.

MPH Required Common Core Courses (at least 20 credits)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PH 702</td>
<td>Introduction to Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>PH 703</td>
<td>Environmental Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>PH 704</td>
<td>Principles and Methods of Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>PH 705</td>
<td>Principles of Public Health Policy and Administration</td>
<td>3</td>
</tr>
<tr>
<td>PH 706</td>
<td>Perspectives on Community &amp; Behavioral Health</td>
<td>3</td>
</tr>
<tr>
<td>PH 790</td>
<td>Field Experience in Public Health</td>
<td>1-6</td>
</tr>
<tr>
<td>PH 800</td>
<td>Capstone in Public Health</td>
<td>2</td>
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Epidemiology

Concentration Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PH 700</td>
<td>Structures of Inequality and Population Health</td>
<td>3</td>
</tr>
<tr>
<td>PH 758</td>
<td>Social Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>PH 759</td>
<td>Intro to Regression for Understanding the SDOH</td>
<td>3</td>
</tr>
<tr>
<td>PH 761</td>
<td>Epidemiology Field Methods</td>
<td>3</td>
</tr>
<tr>
<td>PH 763</td>
<td>Epidemiology for Equity</td>
<td>3</td>
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Electives

Content “S Electives

Select one of the following: 3

- PH 762 Environmental Epidemiology
- PH 768 Cancer Epidemiology
- PH 769 Critical Perspectives on Nutritional Epidemiology and the Food System

Other classes as approved by advisor

Electives

Select two of the following: 6

- PH 713 Analyzing Observational and Experimental Data
- PH 714 Statistical Genetics and Genetic Epidemiology
- PH 715 Applied Categorical Data
- PH 716 Applied Survival Analysis
- PH 717 Applied Longitudinal Data Analysis

Program Planning & Implementation in Public Health

Program Evaluation in Public Health

Survey Research Methods in Public Health (not both)

Fundamentals of Survey Methodology

Social and Economic Policy as Health Policy

Epidemiologic Links Between Infectious and Chronic Disease

Geographic Information Science

Special Topics in Urban Planning: (Data Analysis and Visualization)