

# MASTER OF PUBLIC HEALTH IN THE FIELD OF EPIDEMIOLOGY (STEM)

Program Co-Directors: S. Quinlan, H. Young

## Mission

The mission of the master of public health in the field of epidemiology degree program is to help students develop the necessary methodological and quantitative skills to work successfully in the field. While nurturing students’ capacity to think critically and creatively, students are encouraged to deepen their commitment to improving the public’s health and to engaging in and promoting public service qualities essential for future epidemiologists and public health practitioners.

## Goals

The goals of the program are to ensure that graduates:

- Understand and adhere to high scientific standards for research.
- Understand and follow guidelines for ethical treatment of research participants.
- Can communicate research findings to a lay audience.
- Respect cultural diversity throughout all of the above.

This is a STEM designated program.

Visit the program website (<https://publichealth.gwu.edu/programs/epidemiology-mp/>) for additional information.

## ADMISSIONS

Visit the Milken Institute School of Public Health website (<https://publichealth.gwu.edu/>) for additional information about academic programs and information about GWSPH. Graduate admissions information, including application requirements and deadlines, can be found on the GWSPH Graduate Admissions website (<https://publichealth.gwu.edu/admissions/graduate-admissions/>).

## REQUIREMENTS

The following requirements must be fulfilled: 45 credits, including 17 credits in core courses, 20 credits in program-specific requirements, 6 credits in general elective courses, and a 2-credit culminating experience.

Code	Title	Credits
<b>Required</b>		
Core courses		
PUBH 6000	MPH Applied Practice Experience	
PUBH 6002	Biostatistical Applications for Public Health	
PUBH 6003	Principles and Practices of Epidemiology	

PUBH 6007	Social and Behavioral Approaches to Public Health
PUBH 6009	Fundamentals of Public Health Program Evaluation
PUBH 6011	Environmental and Biological Foundations of Public Health
PUBH 6012	Fundamentals of Health Policy
PUBH 6021	Essentials of Public Health Practice and Leadership I
PUBH 6022	Essentials of Public Health Practice and Leadership II
PUBH 6023	Interprofessional Education Experience
Departmental courses	
PUBH 6247	Epidemiologic Methods I: Design of Health Studies
PUBH 6252	Epidemiologic Methods II: Advanced Epidemiologic Methods
PUBH 6853	Use of SAS for Data Management and Analysis
PUBH 6260	Applied Epidemiologic Data Analysis
Program-specific epidemiology foundational courses	
At least two courses (4 credits) from the following:	
PUBH 6237	Chronic Disease Epidemiology
PUBH 6241	Nutritional Epidemiology
PUBH 6242	Clinical Epidemiology and Public Health: Reading the Research
PUBH 6244	Cancer Epidemiology
PUBH 6245	Infectious Disease Epidemiology
PUBH 6248	Epidemiology of Dementia and Adult Cognitive Health
PUBH 6250	Epidemiology of HIV/AIDS
PUBH 6259	Epidemiology Surveillance in Public Health
<b>Program-specific electives</b>	
4 credits in courses offered by the Epidemiology/Biostatistics department or selected from following list:	
PUBH 6047	Systematic Reviews to Synthesize Evidence in Public Health Practice

PUBH 6121	Environmental and Occupational Epidemiology
PUBH 6127	Introduction to Environmental Health Microbiology
EXNS 6208	Physical Activity in Public Health
PUBH 6299	Topics in Epidemiology
PUBH 6455	Global Vaccinology
PUBH 6484	Prevention and Control of Vector Borne Diseases
PUBH 6486	Global Health Programs and Approaches to the Control of Infectious Diseases
PUBH 6492	Global Health Programs and Approaches to the Control of Chronic Diseases
PUBH 6899	Topics in Biostatistics and Bioinformatics
<b>Additional electives</b>	
6 credits in any graduate-level SPH courses.	
<b>Culminating experience</b>	
PUBH 6015	Culminating Experience (taken for 2 credits)

## MPH graduation requirements

1. Graduate credit requirement: 45 graduate credits.
2. Course requirements: Successful completion of core and program-specific courses.
3. Practicum Requirement: Students are required to fulfill all requirements of the Applied Practice Experience (Practicum) to receive credit for PUBH 6000 MPH Applied Practice Experience.
4. Interprofessional Education Experience (IPE): Students are required to enroll and participate in an authorized IPE activity (PUBH 6023 Interprofessional Education Experience).
5. Minimum grade point requirement: minimum 3.0 (B) program grade point average.
6. Time limit requirement: The degree must be completed within five years.
7. Transfer credit policy: With approval, up to 12 graduate credits that have not been applied to any previous graduate degree can be transferred to the master of public health program. External credits must have been earned from an accredited institution in the last three years with a minimum grade of 3.0 (B) in each course. Students in SPH graduate certificate programs can transfer as many credits earned toward the certificate to the MPH degree as meet MPH degree requirements, to a maximum of 18 credits.
8. Graduate certificate students wishing to transfer to a degree program can apply to do so after completion of three or more courses with a cumulative GPA of 3.0 via the online change of

concentration petition. A minimum grade of B is required for a specific course to be eligible for transfer.

9. CITI Training requirement: All students are required to complete training regarding human subject protection regulation and the Health Insurance Portability and Accountability Act of 1996 (HIPAA).

10. Integrity Quiz and Plagiarism requirement: All students are required to review the George Washington University Code of Academic Integrity (<https://studentconduct.gwu.edu/code-academic-integrity/>) and take the SPH Academic Integrity Quiz within their first semester of study.

11. Professional Enhancement requirement: Students must participate in eight hours of public health-related lectures, seminars, and symposia, related to their field of study.

## COMBINED PROGRAMS

### Combined programs

- Joint Master of Science in Health Sciences in the field of physician assistant and Master of Public Health (<http://bulletin.gwu.edu/public-health/mshs-mph/>)
- Joint Master of Public Health or SPH graduate certificate and Juris Doctor or Master of Laws (<http://bulletin.gwu.edu/public-health/jd-mph/>)