

MASTER OF PUBLIC HEALTH (MPH@GW), HEALTH INFORMATICS AND ANALYTICS CONCENTRATION

Program Director: G. Gray, PhD

The Health Informatics and Analytics concentration will prepare students with the values, knowledge, and skills to obtain, analyze, manage, and use health information to achieve optimal healthcare delivery and administration through sound clinical and business, operational, and strategic decisions. The concentration is a part of the MPH@GW program, which combines core MPH skills with an emphasis on interdisciplinary teaching and core competencies/skills by using cases/other materials from both the U.S. and abroad with a HIA concentration that contains courses and skills to set students up for what lies ahead in the use of data and information to improve health. The pedagogy allows students to tailor their education to local, national, or global levels emphasizing interdisciplinary public health competencies, including: biostatistics and epidemiology; cultural competency; health communication; leadership; professionalism; planning, implementation and evaluation methods; public health biology; and systems thinking.

Visit the program website for more 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 19 credits in core courses (including the culminating experience), 10 credits in program-specific courses, 11 credits in concentration courses, and 5 credits in elective courses.

Code	Title	Credits
Required		
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
PUBH 6060	MPH@GW Culminating Experience I
PUBH 6061	MPH@GW Culminating Experience II

Code	Title	Credits
Program-specific courses		
PUBH 6052	Practical Data Management and Analysis for Public Health	
PUBH 6442	Comparative Global Health Systems	
PUBH 6500	Planning and Implementing Health Promotion Programs	
PUBH 6503	Introduction to Public Health Communication and Marketing	
Health informatics and analytics concentration courses		
PUBH 6703	Healthcare Delivery and Health IT	
PUBH 6704	Health Information Technology, Informatics, and Decision Making	
PUBH 6705	Health Law and Health IT	
PUBH 6706	Population and Community Health Analytics	

Electives

5 credits in elective courses. The following courses are suggestions:

PUBH 6730	Health Systems and Health IT Applied Analysis Immersion
PUBH 6717	Predictive Analytics
PUBH 6894	Research Analytics

Visit the MPH@GW website (<https://publichealthonline.gwu.edu/academics/one-year-mpg-program/>) for an updated list of elective options.

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) cumulative 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 may 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 may 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 (<https://publichealth.gwu.edu/academics/forms/>). 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 at GWSPH Source (<https://source.publichealth.gwu.edu/user/login/?destination=node/193>). 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.