

MASTER OF SCIENCE IN THE FIELD OF EPIDEMIOLOGY

Program Director H. Young

The Department of Epidemiology and Biostatistics offers the master of science (MS) in the field of epidemiology degree program. The goals of the program are to prepare students for careers in industry or academia and for continued study in a doctoral program. The program includes coursework that focuses on theoretical and applied epidemiological and statistical methods.

Applicants must have completed 6 credits in calculus I and II and 8 credits in human biology prior to beginning the program. Prior completion of 3 credits of linear algebra and 3 credits of SAS are strongly recommended.

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

ADMISSIONS

Admissions Fall -- March 15

Deadlines:

Spring - October 1

Summer - December 15

Standardized Test Scores: GRE general test (institutional code 5246)

Test Scores:

Recommendations: Two (2) recommendations

required:

Prior Academic Records: Transcripts are required from all colleges and universities attended, whether or not credit was earned, the program was completed, or the credit appears as transfer credit on another transcript.

Statement of Purpose: In an essay of approximately 1500 words, state your purpose in undertaking graduate study in your chosen field. Include your academic objectives, research interests, and career plans. Also discuss your related qualifications, including collegiate, professional, and community activities, and any other substantial accomplishments not already mentioned in the application.

International Applicants: Please review International Applicant Information (<https://graduate.admissions.gwu.edu/international-student-application-requirements>) (<https://graduate.admissions.gwu.edu/international-student-application-requirements/>) carefully for details on required documents, earlier deadlines for applicants requiring an I-20 or DS-2019 from GW, and English language requirements. Detailed documentation needed for this program is available here (<https://publichealth.gwu.edu/admissions/graduate-admissions>) (<https://publichealth.gwu.edu/admissions/graduate-admissions/>).

Please note that the following minimum English language test scores are required for admission:

- Academic IELTS: an overall band score of 7.0 with no individual band score below 6.0; or
- TOEFL: 100 on Internet-based.

Supporting documents not submitted online should be mailed to:

Office of Admissions
Suite 200
Milken Institute School of Public Health
950 New Hampshire Ave. NW
Washington, DC 20052

Contact for questions:

GWSPH admit@gwu.edu ~ 202-994-2160 (phone)
<http://publichealth.gwu.edu/admissions> (<http://publichealth.gwu.edu/admissions/>)
9:00 am - 5:00 pm, Monday through Friday

REQUIREMENTS

The following requirements must be fulfilled: 33 credits, including 9 credits in public health core courses, 6 credits in statistics core courses, 2 credits in program-specific courses, 13 credits in elective courses, and 3 credits consulting and thesis.

Prerequisites

The courses listed below (or equivalents) are prerequisites for admission consideration, and must appear on the student's transcript.

Code	Title	Credits
BISC 1111	Introductory Biology: Cells and Molecules	
BISC 1112	Introductory Biology: The Biology of Organisms	
MATH 1231	Single-Variable Calculus I	
MATH 1232	Single-Variable Calculus II	

Additional course requirements

Applicants who have not already completed one of the courses listed below (or equivalents to these GW courses) are considered for admission, but are eligible for conditional admission only. In such cases, students are expected to satisfactorily complete one of the courses within two semesters from matriculation in the program.

Code	Title	Credits
PUBH 6853	Use of Statistical Packages for Data Management and Data Analysis	
or STAT 2183	Intermediate Statistics Lab/Packages	

Program requirements

Code	Title	Credits
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Required

Public health core courses

PUBH 6080	Pathways to Public Health	
PUBH 6003	Principles and Practices of Epidemiology ¹	
PUBH 6247	Epidemiologic Methods I: Design of Health Studies ¹	
PUBH 6252	Epidemiologic Methods II: Advanced Epidemiologic Methods ¹	

Statistics core courses

One of the following two-course, 6-credit sets:

PUBH 6868 & PUBH 6260	Quantitative Methods and Applied Epidemiologic Data Analysis	
or PUBH 6865	Applied Categorical Data Analysis	
STAT 4157 & STAT 4158	Introduction to Mathematical Statistics I and Introduction to Mathematical Statistics II ²	
STAT 6201 & STAT 6202	Mathematical Statistics I and Mathematical Statistics II	

Program-specific courses

At least one course (2 credits) selected 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 Aging	
PUBH 6250	Epidemiology of HIV/AIDS	
PUBH 6259	Epidemiology Surveillance in Public Health	

Electives

13 credits in any graduate-level PUBH courses. Other courses may be substituted with prior approval of the advisor's approval. ³

Consulting and thesis

PUBH 6869	Principles of Biostatistical Consulting	
PUBH 6999	Master of Science in Epidemiology Thesis	

¹ Basis for master's general comprehensive examination.

² In lieu of STAT 4157 and STAT 4158, students interested in applying to the PhD program in epidemiology may take STAT 6201 Mathematical Statistics I and STAT 6202 Mathematical Statistics II with the advisor's approval.

³ Undergraduate-level courses may be approved for graduate credit provided additional work is assigned.