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 is strongly recommended.

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

ADMISSIONS

Admissions
Fall - March 15
Spring - October 1
Summer - December 15

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

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/), 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/).

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:
GWSPHadmit@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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BISC 1111</td>
<td>Introductory Biology: Cells and Molecules</td>
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</tr>
<tr>
<td>BISC 1112</td>
<td>Introductory Biology: The Biology of Organisms</td>
<td></td>
</tr>
<tr>
<td>MATH 1231</td>
<td>Single-Variable Calculus I</td>
<td></td>
</tr>
<tr>
<td>MATH 1232</td>
<td>Single-Variable Calculus II</td>
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### 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.

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<tbody>
<tr>
<td>PUBH 6853</td>
<td>Use of Statistical Packages for Data Management and Data Analysis</td>
<td></td>
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<tr>
<td>or STAT 2183</td>
<td>Intermediate Statistics Lab/Packages</td>
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### Program requirements

#### Required

**Public health core courses**
- PUBH 6080 Pathways to Public Health
- PUBH 6003 Principles and Practices of Epidemiology
- PUBH 6247 Epidemiologic Methods I: Design of Health Studies
- PUBH 6252 Epidemiologic Methods II: Advanced Epidemiologic Methods

**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
  - 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

#### Electives

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

### Consulting and thesis

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<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>PUBH 6869</td>
<td>Principles of Biostatistical Consulting</td>
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</tr>
<tr>
<td>PUBH 6999</td>
<td>Master of Science in Epidemiology Thesis</td>
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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.

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