

# MASTER OF PUBLIC HEALTH IN THE FIELD OF BIOSTATISTICS

**Program Director** H. Hoffman

## Mission

The mission of the master of public health in the field of biostatistics degree program is to educate students in the methodological and quantitative skills needed to apply statistical methods to the biological, biomedical, and health services sciences. In addition to enhancing students' capacity to think critically and creatively, the program deepens their commitment to improving the public's health and to engaging in and promoting public service—qualities essential to biostatisticians and public health practitioners.

## Goals

The goals of the biostatistics program are to ensure that graduates:

- Understand and adhere to high scientific standards for research.
- Understand how to apply statistical methods to biological/biomedical sciences and health services.
- Understand and follow guidelines for ethical treatment of research participants.
- Communicate research findings to a lay audience.
- Respect cultural diversity throughout all of the above.

Specific admission requirements are shown on the Graduate Program Finder. (<http://www.gwu.edu/all-graduate-programs>)

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

## REQUIREMENTS

### Program Prerequisites

All applicants must have completed two semesters of college-level calculus through calculus II with a minimum grade of *B* in order to be considered for admission.

### MPH Requirements

The following requirements must be fulfilled: 45 credits, including 15 credits in core courses, 19 credits in program-specific courses, 7 credits in elective courses, 2 credits in a practicum, and 2 credits in a culminating experience.

### Program Requirements

Code	Title	Credits
<b>Required</b>		
Core		

PUBH 6001	Biological Concepts in Public Health
PUBH 6002	Biostatistical Applications for Public Health
PUBH 6003	Principles and Practices of Epidemiology
PUBH 6004	Environmental and Occupational Health in a Sustainable World
PUBH 6006	Management and Policy Approaches to Public Health
PUBH 6007	Social and Behavioral Approaches to Public Health

Program-specific

PUBH 6247	Design of Health Studies
PUBH 6249	Use of Statistical Packages: Data Management and Data Analysis
PUBH 6252	Advanced Epidemiology Methods
PUBH 6258	Advanced Topics in Biostatistical Consulting
PUBH 6260	Advanced Data Analysis for Public Health
PUBH 6264	Quantitative Methods
PUBH 6266	Biostatistical Methods

### Electives

7 credits in epi-biostatics courses selected with the advisor's approval.

### Practicum and culminating experience

PUBH 6014	Practicum *
PUBH 6015	Culminating Experience

## Graduation Requirements

1. Graduate credit requirement: 45 graduate credits.
2. Course requirements: Successful completion of core and program-specific courses.
3. Minimum grade-point requirement: 3.0 (*B* average) overall grade-point average.
4. Time limit requirement: The degree must be completed within four years.
5. Transfer credit policy: Up to 12 graduate credits that have not been applied to a 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 (or

grade-point average) of *B* (3.0) or above. SPH graduate certificate students can transfer as many credits as meet program requirements—up to 18 credits—to the MPH degree. Graduate certificate students wishing to transfer to a degree program may apply to do so via the online change of concentration petition after completion of three or more courses and a cumulative GPA of 3.0 or above. A grade of *B* or above is required for a course to be eligible for transfer.

\*Students should begin planning their practicum during year 1.