BIOSTATISTICS (BIOS)

Graduate Degree Program
College: Public Health

Abstract
Biostatistics is a science that addresses theory and techniques for describing, analyzing, and interpreting health data. The discipline is primarily focused on applications to problems in the health, medical, and biological sciences. The MPH with a concentration in biostatistics is a 45-credit professional degree that prepares graduates to work in public health services as practitioners, researchers, administrators, and consultants. A full-time student may complete our program in 2 years. Part-time students may take up to 4 years to complete the program. The majority of courses are offered in the evenings. In addition to coursework, all biostatistics master's students are required to complete a 240-hour internship and a capstone project.

Our proximity to the nation's capital offers students unparalleled opportunities for research experiences in public health, including placements at the National Institutes of Health, National Center for Health Statistics, Centers for Disease Control, Food and Drug Administration, the Maryland Department of Health and Mental Hygiene, and many other national, state, and local health agencies.

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Website: http://sph.umd.edu/department/epib (http://sph.umd.edu/department/epib/)

Courses: EPIB (https://academiccatalog.umd.edu/graduate/courses/epib) / SPHL (https://umd-curr.courseleaf.com/graduate/courses/sphl/)

Relationships: Epidemiology (EPDM) (https://academiccatalog.umd.edu/graduate/programs/epidemiology-epdm/) / Epidemiology (EPID) (https://academiccatalog.umd.edu/graduate/programs/epidemiology-epid/)

Admissions
The MPH in Biostatistics program has a two-part application process: applicants must submit the SOPHAS application (www.sophas.org (https://sophas.org/)), the centralized application service for schools and programs of public health, and the UMD Supplemental application (http://terpengage.force.com/community/CustomLoginPage/?GradApp=True). Applications will not be reviewed until both the SOPHAS and UMD Supplemental applications are completed.

GENERAL REQUIREMENTS
- A Bachelor's degree
- Minimum 3.0 undergraduate GPA
- At least one undergraduate statistics course

PROGRAM SPECIFIC REQUIREMENTS
- SOPHAS application & UMD Supplemental application
- Three letters of recommendation
- Resume or curriculum vitae
- Fit between applicant's goals and expectations and program degree competencies
- Official GRE Test Scores submission is optional*. If you decide to submit your GRE scores, please have ETS send scores to SOPHAS (code 0485)
  *The review committee will evaluate GRE scores if they are submitted. The lack of scores will not negatively impact applications. If submitted, the program considers competitive scores to be 50th percentile or higher in each of the three parts.

Note for applicants with foreign credentials:
- The SOPHAS application requires that applicants submit a WES credential evaluation (https://help.liaisonedu.com/SOPHAS_Applicant_Help_Center/Sending_Your_Official_Transcripts_and_Test_Scores_to_SOPHAS/Sending_Official_Transcripts_to_SOPHAS/2_Foreign_and_French-Canadian_Transcripts/).
- The UMD supplemental application requires the upload of unofficial transcripts issued in the original language with a literal English translation. Visit the Graduate School website for additional information (https://gradschool.umd.edu/admissions/international-admissions/).
- Evidence of English Language proficiency is required if the applicant does not hold a degree from a U.S. institution or from one of the English speaking countries listed on the Graduate School website (https://gradschool.umd.edu/admissions/english-language-proficiency-requirements/).

For detailed instructions on how to submit your application, please visit the School of Public Health Website: https://sph.umd.edu/admissions/graduate-admissions/graduate-application-process/.

APPLICATION DEADLINES

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<tr>
<th>Type of Applicant</th>
<th>Fall Deadline</th>
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<tbody>
<tr>
<td>Domestic Applicants</td>
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<tr>
<td>US Citizens and Permanent Residents</td>
<td>December 16, 2022 (priority) / April 7, 2023 (final)</td>
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<tr>
<td>International Applicants</td>
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<td>F (student) or J (exchange visitor) visas: A,E,G,H,I and L visas and immigrants</td>
<td>December 16, 2022 (priority) / March 3, 2023 (final)</td>
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RESOURCES AND LINKS:
Program Website: https://sph.umd.edu/academics/masters-degrees/mph-master-public-health/mph-biostatistics (https://sph.umd.edu/
Application Process: https://sph.umd.edu/admissions/graduate-admissions/graduate-application-process

Admissions FAQ: https://sph.umd.edu/admissions/graduate-admissions/graduate-application-faqs

Requirements

- Biostatistics, Master of Public Health (M.P.H.) (https://academiccatalog.umd.edu/graduate/programs/biostatistics-bios/biostatistics-mph/)

Facilities and Special Resources

Our faculty in the Department of Epidemiology and Biostatistics includes individuals with multi-faceted interests in biostatistics, epidemiology, and bioinformatics. Biostatistics faculty apply statistical techniques including survival and longitudinal analysis, computational statistics, statistical analysis of genomic and proteomic data, machine learning, neuroimaging statistics, (network) meta-analysis, missing data analysis, Bayesian hierarchical methods, and bioinformatics to analyze and interpret health data. Epidemiology faculty have research interests and expertise in the epidemiology of infectious disease and chronic disease with particular focus in the areas of HIV/STIs, cancer, health disparities, cardiovascular disease, obesity/physical activity, and sexual and reproductive health. Additional areas of specialization include social and behavioral determinants of health, aging, cultural competency, and community-based interventions.