BIOSTATISTICS (BIOS)

Graduate Degree Program
College: Public Health

Abstract
Biostatistics is a science that addresses theory and techniques for
描象, 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.

CONTACT

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Website: 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
- Transcripts from all previous coursework
- English proficiency test score (TOEFL, IELTS or PTE) (international
applicants (https://gradschool.umd.edu/admissions/english-
language-proficiency-requirements/))
- Statement of purpose and objectives including career and
educational goals, professional experience, and areas of interest

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 unoficial
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

Type of Applicant	Fall Deadline

Domestic Applicants
US Citizens and Permanent Residents	December 16, 2022 (priority) / April

International Applicants
F (student) or J (exchange visitor) visas; A,E,G,H, I and L visas and
immigrants	December 16, 2022 (priority) / March 3, 2023 (final)
REASOURCES AND LINKS:
Program Website: https://sph.umd.edu/academics/masters-degrees/mph-master-public-health/mph-biostatistics
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.)

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.