

APPLIED EPIDEMIOLOGY (ONLINE) (Z152)

Graduate Certificate Program
School of Public Health

ABSTRACT

The educational objective of the proposed Post-Baccalaureate Certificate of Professional Studies in Applied Epidemiology is to train working professionals in the field of Epidemiology. This certificate provides working professionals the opportunity to learn the concepts necessary to improve their understanding of epidemiologic methods and principles and apply them in real-world practice. It covers epidemiologic study design, disease investigation and measures, identification and control of biases (information bias, selection bias, and confounding effect), effect assessment (measure of associations, interaction effect, and mediation effect), and control of epidemics.

CONTACT

Xin He, Ph.D.

Director of Graduate Studies

Department of Epidemiology and Biostatistics

2234 School of Public Health Building

4200 Valley Drive

University of Maryland

College Park, MD 20742

Telephone: 301.405.2551

Email: xinhe@umd.edu

ADMISSIONS

The **Certificate in Applied Epidemiology (Online)** accepts applications through the TerpEngage Graduate Admissions System (<https://terpengage.force.com/community/CustomLoginPage/?GradApp=True>).

GENERAL REQUIREMENTS

- Bachelor's Degree
- Statement of Purpose (<https://advancedengineering.umd.edu/application-process/>)
- Transcript(s)
- TOEFL/IELTS/PTE (international graduate students (<https://gradschool.umd.edu/admissions/english-language-proficiency-requirements/>))
- Response to personal experiences question(s)

PROGRAM-SPECIFIC REQUIREMENTS

- Letter of Recommendation (1)
- CV/Resume
- Graduate Record Examination (GRE) (optional)
- Graduate Record Examination (GRE) Subject Test Score (optional)

Note for applicants with foreign credentials:

- The UMD graduate application requires uploading unofficial transcripts issued in the original language along 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 one of the English-speaking countries listed on the Graduate School website (<https://gradschool.umd.edu/admissions/english-language-proficiency-requirements/>)

| Type of Applicant | Fall Deadline | Spring Deadline |
|---|---------------|-----------------|
| Domestic Applicants | | |
| US Citizens and Permanent Residents | June 27, 2025 | N/A |
| International Applicants | | |
| F (student) or J (exchange visitor) visas; A,E,G,H,I and L visas and immigrants | June 27, 2025 | N/A |

RESOURCES AND LINKS:

Deadlines: <https://sph.umd.edu/admissions/graduate-admissions/graduate-application-process#deadlines> (<https://sph.umd.edu/admissions/graduate-admissions/graduate-application-process/#deadlines>)

SPH Program Website: <https://sph.umd.edu/academics/certificates/certificate-applied-epidemiology> (<https://sph.umd.edu/academics/certificates/certificate-applied-epidemiology/>)

Office of Extended Studies (OES) Program Website: <https://exst.umd.edu/professionals-post-baccalaureates/professional-graduate-programs/school-public-health-graduate-programs-online/gc-applied-epidemiology> (<https://exst.umd.edu/professionals-post-baccalaureates/professional-graduate-programs/school-public-health-graduate-programs-online/gc-applied-epidemiology/>)

Application Process: <https://sph.umd.edu/admissions/graduate-admissions/graduate-application-process> (<https://sph.umd.edu/admissions/graduate-admissions/graduate-application-process/>)

Admissions FAQ: <https://sph.umd.edu/admissions/graduate-admissions/graduate-application-faqs> (<https://sph.umd.edu/admissions/graduate-admissions/graduate-application-faqs/>)

REQUIREMENTS

- Applied Epidemiology, Post-Baccalaureate Certificate (P.B.C.) (<https://academiccatalog.umd.edu/graduate/programs/applied-epidemiology-z152/applied-epidemiology-pbc/>)