

POST-BACCALAUREATE CERTIFICATE IN MICROBIOLOGY FOR MEDICAL LABORATORY SCIENCE (STEM)

The online post-baccalaureate certificate in microbiology for medical laboratory science is designed for those seeking to advance their career and become board certified as a laboratory technologist. Program participants learn to analyze blood, urine, tissue, and other body specimens to detect, diagnose and treat disease, as well as the latest molecular techniques to investigate and determine the causes of disease.

Coursework can be completed on a full- or part-time basis. The clinical practicum is usually taken on a full-time basis upon completion of didactic coursework. Program participants are typically in a clinical laboratory eight hours per day (daytime hours), five days per week. Students must be able to fulfill the time requirement for the practicum.

The certificate program teaches students what they need to qualify to sit for the ASCP Medical Laboratory Scientist (M) exam.

Those who complete the program coursework and hands-on practicum are prepared to:

- Apply principles of traditional and molecular laboratory procedures to perform diagnostic analyses.
- Correlate laboratory data and quality control data to assess patient test results.
- Apply knowledge of laboratory science principles as they relate to human disease diagnosis.
- Maintain a safe work environment.
- Comply with laboratory safety regulations and regulatory policies.
- Apply ethical decision-making to issues related to clinical laboratory practice.

This is a STEM designated program.

Visit the program website (<https://healthsciencesprograms.gwu.edu/programs/post-baccalaureate-certificate-in-microbiology-for-medical-laboratory-science-online/>) for additional information.

ADMISSIONS

Term Start: Spring - December 1

Admissions A bachelor's degree

Requirement:

2.5 GPA or above on a 4.0 scale

Completed coursework - All required courses must be completed with a C grade (C- grades and lower do not transfer) or better at a regionally accredited institution of higher learning: 3 credits English Composition, 3 credits College Algebra, Statistics (or higher), a combination of 30 semester hours of Biology and Chemistry coursework including Microbiology with Lab. *Please be prepared to provide unofficial transcripts to determine program admissibility.

A written personal - statement Statement of Purpose (Applicants must include a 250-500 word essay describing your reasons for undertaking study at GW, your academic objectives, career goals and related qualifications, including collegiate, professional, and community activities, relevant to your program of interest. Include any substantial accomplishments not already mentioned on the application form.)

Completed Application

Resume/CV

Application Fee: A non-refundable application fee of \$80 is required. The application fee is waived for active-duty U.S. military, current GW students, degree-holding GW alumni, current McNair Program Scholars.

1 Letter of Recommendation

Official transcripts from every college and university attended. All non-U.S. transcripts (including those in English) must be evaluated by an accredited foreign credential agency. Please find the list of member organizations here: <https://www.naces.org/members> (<https://www.naces.org/members/>)

Additional Requirements Students who live outside of the Washington DC Metro Area are required to secure a satisfactory clinical site at the time of admission.

Successful completion of a criminal background check and a drug screen through Certiphi Screening, a third-party vendor, are required of all admitted clinical students in their first semester. Students are responsible for fees associated with these screens.

International applicants: International students should check with individual programs regarding eligibility for visa sponsorship. Generally, online and hybrid programs are not eligible for student visa sponsorship from GW. This includes transfer students from any other institution with an existing visa.

Applicants who have not completed a post-secondary degree from an institution where English is the sole language of instruction must submit TOEFL, IELTS, PTE Academic, or the Duolingo English Test scores to be considered for admission. The following are the minimum scores for admission consideration:

- Academic IELTS: An overall band score of 7.0, with no individual band score below 6.0.

- TOEFL: 600 paper-based or 100 internet-based.

- PTE: Overall score of 68

- DET: Overall score of 120

Undergraduate applicants who meet one of the following conditions can be considered for admission without submitting TOEFL, PTE or IELTS or DET scores:

Scores cannot be more than two years old. To ensure TOEFL scores are sent to GW, use institutional code 5246. An institutional code is not required to send IELTS or PTE scores to GW. DET scores must be submitted via the Duolingo English Test system directly to GW.

Based on their application and the results of the English proficiency examination students can be required to take English for Academic Purposes (EAP) during their first year of study at GW. GW evaluates each application holistically and applicants can be recommended for EAP even if they meet the requirements for exemption. Students placed in EAP courses should anticipate additional tuition expenses as well as possible extension of time needed to complete their degree programs.

MLS 4158

Laboratory Management and Operations

MLS 4164

Clinical Microbiology Practicum

*Clinical rotations are completed at an approved clinical site and vary in length, lasting between one to four weeks each.

Supporting documents not submitted online should be mailed to:

George Washington University

ATTN: Transcript Processing Center

1415 W 22nd St.

Suite 220

Oak Brook, IL 60523

Documents can be submitted electronically

to: transcripts@hsprograms.gwu.edu.

Contact for questions:

hsphora@gwu.edu

202-994-0384 (phone)

Hours: 9:00 am to 5:00 pm, Monday through Friday

REQUIREMENTS

Code	Title	Credits
Required		
MLS 4116	Clinical Bacteriology I	
MLS 4117	Clinical Bacteriology II	
MLS 4119	Parasitology, Mycology, and Virology	
MLS 4141	Immunology and Serology	
MLS 4151	Molecular Diagnostics	