

POST-BACCALAUREATE CERTIFICATE IN MEDICAL LABORATORY SCIENCE (STEM)

The post-baccalaureate certificate in medical laboratory science (MLS) program teaches students to analyze blood, urine, tissue, and other body specimens to detect, diagnose, and treat disease. The program covers the latest molecular techniques to investigate and determine the causes of disease.

Required courses can be completed on either a full- or part-time basis. Courses in the major are designed to broaden the student's foundation in the sciences in preparation for the clinical phase of the program. All courses are taken online, with the exception of the four months of clinical practica. The clinical practica are usually taken on a full-time basis upon completion of didactic coursework. Students typically are in a clinical laboratory eight (daytime) hours per day, five days per week. Students must be able to fulfill the necessary time requirement for the practicum.

Upon completing the program, students are qualified to sit for the ASCP Medical Laboratory Scientist (MLS) exam.

This is a STEM designated program.

Visit the program website (<https://smhs.gwu.edu/bulletin/smhs/certificate/medical-laboratory-science/>) for additional information.

ADMISSIONS

Term Start: Fall - July 20
Spring - December 1
Summer - March 20

Degree and GPA Requirements: A bachelor's degree

2.5 GPA or above on a 4.0 scale

Prerequisites: 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)

8 credits Biology (lecture and hands-on lab)

4 credits Microbiology (lecture and hands-on lab)

8 credits Chemistry (lecture and hands-on lab)

3 credits Organic Chemistry or Biochemistry

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.

Recommendation: One (1) letter of recommendation required:

Prior academic records: Official transcripts are required from all colleges and universities attended (including via dual enrollment), whether or not credit was earned, the program was completed, or the credit appears as transfer credit on another transcript. Official transcripts must be forwarded in their original sealed envelopes or sent electronically directly from the institution.

If academic records are in a language other than English, a certified English language translation must be provided in addition to the original transcripts; translations alone will not be accepted. If academic records are in a language other than English, a certified English language translation must be provided in addition to the original transcripts; translations alone will not be accepted.

Official transcripts from institutions outside the U.S. must be accompanied by an official transcript evaluation from an accredited independent evaluating agency. Please be sure you request a detailed evaluation that includes all course titles, credit hours, grades, U.S. degree equivalency, grade-point averages (GPA), and date of degree conferral. Please see the list of acceptable foreign credential evaluation services (<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 Students: 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 would include transfer students from any other institution with an existing visa.

Official transcripts from institutions outside the U.S. must be accompanied by an official transcript evaluation from an accredited independent evaluating agency. Please be sure you request a detailed evaluation that includes all course titles, credit hours, grades, U.S. degree equivalency, grade-point averages (GPA), and date of degree conferral. For a list of acceptable foreign credential evaluation services, please click here (<https://www.naces.org/members.php>).

Applicants who are not U.S. citizens are required to submit official test scores for either Test of English as a Foreign Language (TOEFL) or#Pearsons#Test of English (PTE), Academic the academic International English Language Testing System (IELTS) or the Duolingo English Test (DET). The following are the minimum scores for admission consideration:#TOEFL: 600 on paper based, 250 on computer-based, or 100 Internet-based, PTE: overall score of 68, IELTS: an overall band score of 7.0, with no individual band score below 6.0, or DET overall score of 120. *Scores can be no older than 2 years.

International applicants who meet the following conditions may be considered for admission without submitting TOEFL, PTE or IELTS or DET scores:#They are a citizen of countries where English is the official language (as identified by GW ISO list of Exempt countries) OR; They hold at least a#bachelor#degree from a country where English is the official language as well as language of instruction OR; They hold at least a#bachelor#degree from an institution accredited by a U.S. regional accrediting agency.

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 may 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

The following requirements must be fulfilled: 48 credits in required courses, including the practica.

| Code | Title | Credits |
|-----------------|--------------------------|---------|
| Required | | |
| MLS 4141 | Immunology and Serology | |
| MLS 4145 | Clinical Biochemistry I | |
| MLS 4146 | Clinical Biochemistry II | |
| MLS 4116 | Clinical Bacteriology I | |
| MLS 4117 | Clinical Bacteriology II | |

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| MLS 4119 | Parasitology, Mycology, and Virology |
| MLS 4130 | Hematology I |
| MLS 4131 | Hematology II |
| MLS 4158 | Laboratory Management and Operations |
| MLS 4150 | Immunohematology |
| MLS 4151 | Molecular Diagnostics |
| MLS 4159 | Capstone Seminar |
| Practicum courses | |
| MLS 4160 | Blood Bank Practicum |
| MLS 4161 | Clinical Biochemistry Practicum |
| MLS 4162 | Hematology Practicum |
| MLS 4164 | Clinical Microbiology Practicum |
| MLS 4165 | Urinalysis Practicum |
| MLS 4166 | Coagulation Practicum |