MASTER OF SCIENCE IN HEALTH SCIENCES IN THE FIELD OF CLINICAL MICROBIOLOGY (STEM)

The online master of science in health sciences in the field of clinical microbiology program provides students with clinical microbiology and laboratory science coursework as well as a hands-on microbiology practicum that prepares students for a diagnostic microbiology laboratory position and provides eligibility for national certification examinations in clinical microbiology. The program also includes additional graduate coursework to prepare students for careers in research institutions, public health laboratories, biotechnology firms, pharmaceutical companies, or governmental agencies.

This is a STEM designated program.

Visit the program website (https://smhs.gwu.edu/bulletin/smhs/graduate-programs/ms-clinical-microbiology/) for additional program information.

ADMISSIONS

Admissions Deadlines:

- Fall - July 20
- Spring - December 1
- Summer - March 20

The application and all supporting documentation (fees, statement of purpose, letters of recommendation, transcripts) must be received by the deadline in order for the application to be reviewed.

Standardized Test Scores: Not required

Recommendations: Two (2) recommendations required

Prior Academic Records: Transcripts required from all colleges and universities attended, whether or not credit was earned, the program was completed, or the credit appears as transfer credit on another transcript. Transcripts must be forwarded in their original sealed envelopes.

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.

Degree and GPA Requirements:
- Overall undergraduate GPA of 3.0 or higher
- Prerequisite courses: College-level Mathematics (Algebra or higher - 3 credits); English Composition (3 credits); and
- Students must have completed a combination of 30 semester hours or 45 quarter hours of biological, chemical and/or medical science courses with a grade of C or higher that include the following courses: General or Inorganic Chemistry I and II - both courses must include a "hands-on" laboratory (8 credits); General Biology I and II - both courses must include a "hands-on" laboratory (8 credits); General Microbiology - must include a "hands-on" laboratory (4 credits)

Additional Requirements:
- Resume/CV

International Applicants: This program is not visa eligible. Permanent residents or those with a valid visa (e.g., work) may apply to perform their rotation in the US. International students may apply without a visa if they have an approved clinical site in their geographic region.

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 Pearson's 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: 250 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.

Statement of Purpose: In an essay of 250 to 500 words, describe your reasons for undertaking study in the Health Sciences at the George Washington University. You should state your academic objectives, career plans, and related qualifications, including collegiate, professional, and community activities, as well as any other substantial accomplishments not already mentioned on the application form.

Degree and GPA Requirements:
- A bachelor’s degree from a regionally accredited college or university

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 Pearson's 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: 250 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.
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’s degree from a country where English is the official language as well as language of instruction OR;
- They hold at least a bachelor’s 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

Alternatively, official electronic transcripts can be sent to transcripts@hsprograms.gwu.edu.

**Contact for questions:**

hsphora@gwu.edu
202-994-0384 (phone)
202-994-0870 (fax)
Hours: 9 am to 5 pm, Monday through Friday

**REQUIREMENTS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HSCI 6263</td>
<td>Biostatistics Translational Research</td>
<td></td>
</tr>
<tr>
<td>MLS 6116</td>
<td>Advanced Clinical Bacteriology I</td>
<td></td>
</tr>
<tr>
<td>MLS 6117</td>
<td>Advanced Clinical Bacteriology II</td>
<td></td>
</tr>
<tr>
<td>MLS 6119</td>
<td>Advanced Parasitology, Mycology, and Virology</td>
<td></td>
</tr>
<tr>
<td>MLS 6141</td>
<td>Advanced Immunology and Serology</td>
<td></td>
</tr>
<tr>
<td>MLS 6151</td>
<td>Advanced Molecular Diagnostics</td>
<td></td>
</tr>
<tr>
<td>MLS 6158</td>
<td>Advanced Laboratory Management and Operations</td>
<td></td>
</tr>
<tr>
<td>MLS 6216</td>
<td>Microbial Pathogenesis</td>
<td></td>
</tr>
<tr>
<td>MLS 6217</td>
<td>Medical Biotechnology</td>
<td></td>
</tr>
<tr>
<td>MLS 6244</td>
<td>Research Ethics and Integrity</td>
<td></td>
</tr>
<tr>
<td>MLS 6251</td>
<td>Advanced Clinical Microbiology Practicum</td>
<td></td>
</tr>
</tbody>
</table>

**Electives**

6 credits in HSCI or MLS courses selected in consultation with the advisor.