POST-BACCALAUREATE CERTIFICATE IN CHEMISTRY FOR MEDICAL LABORATORY SCIENCE

REQUIREMENTS

Students complete required courses either on a part-time or full-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 taught online, with the exception of the clinical practicum. The clinical practicum is usually taken on a full-time basis upon completion of didactic coursework. Students are typically in a clinical laboratory eight hours per day (daytime hours), five days per week. Admitted students must be able to fulfill the necessary time requirement for the practicum.* Visit the program website (https://smhs.gwu.edu/medical-laboratory-sciences/programs/certificate/curriculum/chemistry/) for additional program information.

The following requirements must be fulfilled: 19 credits in required courses, including the practicum.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Required</td>
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<tr>
<td>MLS 4141</td>
<td>Immunology and Serology</td>
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<tr>
<td>MLS 4145</td>
<td>Clinical Biochemistry I</td>
<td></td>
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<tr>
<td>MLS 4151</td>
<td>Molecular Diagnostics</td>
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<tr>
<td>MLS 4161</td>
<td>Clinical Biochemistry Practicum</td>
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<tr>
<td>MLS 4146</td>
<td>Clinical Biochemistry II</td>
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<tr>
<td>MLS 4158</td>
<td>Laboratory Management and Operations</td>
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</tbody>
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Clinical rotations are completed at an approved clinical site and vary in length, lasting between 1 to 4 weeks each.