The master of science (MS) in health sciences in the field of immunohematology (http://smhs.gwu.edu/crl/programs/military/immunohematology) degree program is a military contract program and open only to service members enrolled in the Military Specialist in Blood Banking Technology program at Walter Reed Army Medical Center, which is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). The goal of the program is to prepare individuals to be competitive for careers in management, research and education in the area of immunohematology.

The MS program includes all aspects of blood transfusion medicine at the graduate level, including research methods, current topics in transfusion medicine, immunology, biochemistry, and genetics of all blood cell markers, as well as the indications, contraindications, and function of all blood components and therapeutic procedures. In addition to this didactic material, practical training in the areas of compatibility testing, donor collection, viral marker testing, component production and distribution, apheresis, education and research methods, histocompatibility testing, progenitor cell preservation, and quality assurance is also provided. Research in an area of immunohematology, culminating in a research project, is an integral part of the program.

Visit the program website (https://smhs.gwu.edu/military-affiliated-programs/immunohematology) (https://smhs.gwu.edu/medical-laboratory-sciences/programs/mshs/curriculum/immunohematology) for additional program information.

REQUIREMENTS

The following requirements must be fulfilled: 55 credits in required courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Required:</td>
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<tr>
<td>HSCI 6263</td>
<td>Biostatistics Translational Research</td>
<td></td>
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<tr>
<td>HSCI 6297</td>
<td>Independent Study for Health Professionals (taken for 1 credit)</td>
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<tr>
<td>MLS 6141</td>
<td>Advanced Immunology and Serology</td>
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<td>MLS 6151</td>
<td>Advanced Molecular Diagnostics</td>
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<tr>
<td>MLS 6158</td>
<td>Advanced Laboratory Management and Operations</td>
<td></td>
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<tr>
<td>MLS 6203</td>
<td>Clinical Immunohematology I</td>
<td></td>
</tr>
</tbody>
</table>

| MLS 6204 | Clinical Immunohematology II                        |         |
| MLS 6207 | Clinical Practicum: Blood Banking I                 |         |
| MLS 6208 | Clinical Practicum: Blood Banking II                |         |
| MLS 6209 | Clinical Practicum: Blood Banking III               |         |
| MLS 6211 | Hematopoiesis & Blood Pathophys                     |         |
| MLS 6212 | Organization and Management of Blood Banks          |         |
| MLS 6213 | Seminar in Immunohematology                         |         |
| MLS 6214 | Specialized Practicum                                |         |
| MLS 6245 | Current Topics in Medical Laboratory Science        |         |
| MLS 6246 | Capstone Project                                    |         |