Medical Laboratory Science, B.S.

Requirements

The Bachelor of Science with a major in medical laboratory science requires a minimum of 124 s.h., including 84 s.h. of preparatory study and 40 s.h. in the professional (clinical) program, which consists of 11 months of didactic and practical instruction, depending on which affiliated program a student attends. Acceptance into the affiliated programs is competitive; see specific program websites for admission requirements.

Students in the Mercy College of Health Sciences program in Des Moines must maintain a cumulative g.p.a. of at least 2.50 in all courses for the major and in all University of Iowa courses. They also must complete the College of Liberal Arts and Sciences GE CLAS Core.

Students in the Allen College program must maintain a cumulative g.p.a. of at least 2.70 in all courses for the major and in all University of Iowa courses. They also must complete the College of Liberal Arts and Sciences GE CLAS Core.

Bachelor of Science students who have completed all preparatory study (years one through three) begin the fourth-year professional program which consists of both didactic lectures and clinical rotations. Students who successfully complete the professional program graduate with a B.S. degree in medical laboratory science awarded from the University of Iowa.

To learn more about the professional program, visit the medical laboratory science pages on the Allen College or Mercy College of Health Sciences websites.

Preparatory Study

Allen College: Prerequisites for Admission to the Major

Students are no longer being accepted into the Allen College medical laboratory science program as part of an active affiliation agreement with the University of Iowa.

Students must complete the following coursework before they may be admitted to the major in medical laboratory science. They must earn a grade of C-minus or higher in all prerequisite courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL:1411-1412</td>
<td>Foundations of Biology - Diversity of Form and Function</td>
<td>8</td>
</tr>
<tr>
<td>CHEM:1110 &amp; CHEM:1120</td>
<td>Principles of Chemistry I-II</td>
<td>8</td>
</tr>
<tr>
<td>CHEM:2210</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>MICR:2157 &amp; MICR:2158</td>
<td>General Microbiology - General Microbiology Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>PSY:1001</td>
<td>Elementary Psychology</td>
<td>3</td>
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<tr>
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<td>Rhetoric</td>
<td>4-5</td>
</tr>
<tr>
<td>SOC:1010</td>
<td>Introduction to Sociology</td>
<td>3-4</td>
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One of these options:

- HHP:1100 & HHP:1110 Human Anatomy - Human Anatomy Laboratory (both courses) 4
- HHP:1150 Human Anatomy Lecture with Lab 4
- HHP:1300 & HHP:1310 Fundamentals of Human Physiology - Human Physiology Laboratory (both courses) 4
- HHP:1350 Fundamentals of Human Physiology with Laboratory 4
- HHP:3115 Anatomy for Human Physiology with Lab 5
- HHP:3550 Human Physiology with Laboratory 5

One of these:
- BMB:3110 Biochemistry 3
- CHEM:2220 Organic Chemistry II 3

One of these:
- MATH:1005 College Algebra 4
- MATH:1020 Elementary Functions 4
- MATH:1440 Mathematics for the Biological Sciences 4

One of these:
- STAT:1020/PSQF:1020 Elementary Statistics and Inference 3
- STAT:3510/IGPI:3510 Biostatistics 3

Mercy College of Health Sciences: Prerequisites for Admission to the Major

Students must:

- achieve a cumulative g.p.a. of at least 2.50 on a 4.00 scale in all college-level coursework;
- achieve a cumulative g.p.a. of at least 2.70 on a 4.00 scale in all college-level coursework in science, which includes biology, microbiology, zoology, chemistry, physics, mathematics, statistics, and related courses; and
- earn a grade of C (not C-minus) or higher in all required courses.

Students must complete the following coursework before they may be admitted to the major in medical laboratory science.

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Select from these to reach a total of 16 s.h. in biology coursework:

- BIOL:1411-1412 Foundations of Biology - Diversity of Form and Function 8
- CHEM:1110 & CHEM:1120 Principles of Chemistry I-II 8
- CHEM:2210 & CHEM:2220 Organic Chemistry I-II 6
- CHEM:2410 Organic Chemistry Laboratory 3
- MATH:1005 College Algebra 4
- MICR:2157 & MICR:2158 General Microbiology - General Microbiology Laboratory 5
Coursework taken to meet the biology and chemistry requirements completed seven or more years before application may require updating. This is determined by the program chair.

Questions about the requirements should be directed to the Mercy College of Health Sciences.

**Fourth Year: Professional Program**

Students must successfully complete the professional program requirements through one of the medical laboratory science programs in order to graduate with the B.S. degree in medical laboratory science.