# Maricopa-ASU Medical Laboratory Science (MDL) Pathway

Catalog Year 2015-2016  
School of Nutrition and Health Promotion

Completion of the Maricopa-ASU Medical Lab Science Pathway and all special requirements prior to and after acceptance in the ASU BAS program earns MCCCD Associate of Applied Science degree and ASU Medical Laboratory Science (BAS) degree.

**Special Requirements:**

A 2.50 GPA in the course work in Sections I, II, and III of the Pathway (taken in terms 1-4 below) is required for admission to the ASU Medical Laboratory Sciences BAS program. Student must be accepted into Medical Laboratory Science BAS program in order to proceed. Upon acceptance, students will be concurrently enrolled in Phoenix College and ASU and will complete sections IV and V (taken in terms 5-9 below). All course work must be completed with a "C" or better.

**Sequencing:** Courses in blue (PC) are Phoenix College courses. Courses in black (ASU) are ASU courses.

<table>
<thead>
<tr>
<th>TERM ONE: 14 credits</th>
<th>0-14 CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC HCC 145 AA: Medical Terminology for Health Care Workers I</td>
<td>1</td>
</tr>
<tr>
<td>PC CHM 151 General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>PC CHM 151 LL General Chemistry I Laboratory</td>
<td>1</td>
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<tr>
<td>PC MAT 142 (MA): College Mathematics or higher</td>
<td>3</td>
</tr>
<tr>
<td>PC ENG 101 and 102 First-Year Composition OR ENG 107 and 108 First-Year Composition for ESL</td>
<td>3</td>
</tr>
<tr>
<td>PC Humanities, Fine Arts &amp; Design (HU) OR Social &amp; Behavioral Science (SB) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H):</td>
<td>3</td>
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<thead>
<tr>
<th>TERM TWO: 14 credits</th>
<th>15-28 CREDIT HOURS</th>
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<tbody>
<tr>
<td>PC CHM 152 General Chemistry II</td>
<td>3</td>
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<tr>
<td>PC CHM 152 LL General Chemistry II Laboratory</td>
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</tr>
<tr>
<td>PC BIO 181 General Biology I or BIO 182 General Biology II</td>
<td>4</td>
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<tr>
<td>PC ENG 101 and 102 First-Year Composition OR ENG 107 and 108 First-Year Composition for ESL</td>
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<tr>
<td>PC Humanities, Fine Arts &amp; Design (HU) OR Social &amp; Behavioral Science (SB) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H):</td>
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<thead>
<tr>
<th>TERM THREE: 14 credits</th>
<th>29-42 CREDIT HOURS</th>
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<tbody>
<tr>
<td>PC BIO 181 General Biology (Majors) I or BIO 182: General Biology (Majors) II</td>
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<tr>
<td>PC CHM 230 Fundamental Organic Chemistry</td>
<td>3</td>
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<tr>
<td>PC CHM 230 LL Fundamental Organic Chemistry Laboratory</td>
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<tr>
<td>PC Humanities, Fine Arts &amp; Design (HU) OR Social &amp; Behavioral Science (SB) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H):</td>
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</tr>
<tr>
<td>PC Humanities, Fine Arts &amp; Design (HU) OR Social &amp; Behavioral Science (SB):</td>
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<tr>
<th>TERM FOUR: 11 credits</th>
<th>43-53 CREDIT HOURS</th>
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<tbody>
<tr>
<td>PC BIO 205 Microbiology</td>
<td>4</td>
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<tr>
<td>PC COM 225 Public Speaking (L)</td>
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</tr>
<tr>
<td>PC BIO 160 Introduction to Human Anatomy and Physiology OR BIO 247 Applied Biosciences: Biotechnology</td>
<td>4</td>
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Submit MDL application. If accepted into the MDL program, student will progress in Terms Five through Nine.

<table>
<thead>
<tr>
<th>TERM FIVE – FALL 12 credits</th>
<th>54-65 CREDIT HOURS</th>
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<tbody>
<tr>
<td>ASU MDL 410: Laboratory Leadership</td>
<td>1</td>
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<tr>
<td>ASU Computer/Statistics/Quantitative applications (CS) course (upper division):</td>
<td>3</td>
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<tr>
<td>ASU Literacy (L) &amp; Critical Inquiry (upper division):</td>
<td>3</td>
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<tr>
<td>ASU PHI 306 Applied Ethics (HU)</td>
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<tr>
<td>PC MDL 190 Clinical Laboratory Operations</td>
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<tr>
<th>TERM SIX – SPRING 24 credits</th>
<th>66-89 CREDIT HOURS</th>
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<tbody>
<tr>
<td>PC MDL 240 Clinical Urinalysis and Body Fluid Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ASU MDL 420 Advanced Clinical Urinalysis and Body Fluids</td>
<td>2</td>
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<tr>
<td>PC MDL 242 Clinical Hematology and Hemostasis</td>
<td>6</td>
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<tr>
<td>ASU MDL 430 Advanced Hematology and Hemostasis</td>
<td>3</td>
</tr>
<tr>
<td>PC MDL 244 Clinical Immunohematology and Immunology</td>
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<tr>
<td>ASU MDL 440 Advanced Immunohematology and Immunology</td>
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<tr>
<th>TERM SEVEN – SUMMER 7 credits</th>
<th>90-96 CREDIT HOURS</th>
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<tbody>
<tr>
<td>PC MDL 241 Practicum: Clinical Urinalysis and Body Fluid Analysis</td>
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<tr>
<td>ASU MDL 421 Advanced Practicum in Clinical Urinalysis and Body Fluids</td>
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<tr>
<td>PC MDL 243 Practicum: Clinical Hematology and Hemostasis</td>
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</tr>
<tr>
<td>ASU MDL 431 Advanced Practicum in Clinical Hematology and Hemostasis</td>
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<tr>
<td>PC MDL 245 Practicum: Clinical Immunohematology and Immunology</td>
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<tr>
<td>ASU MDL 441 Advanced Practicum in Immunohematology and Immunology</td>
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<tr>
<th>TERM EIGHT – FALL 20 credits</th>
<th>97-116 CREDIT HOURS</th>
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<tbody>
<tr>
<td>PC MDL 246 Clinical Microbiology</td>
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<tr>
<td>ASU MDL 450 Advanced Clinical Microbiology</td>
<td>3</td>
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<tr>
<td>PC MDL 248 Clinical Chemistry</td>
<td>6</td>
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<tr>
<td>ASU MDL 460 Advanced Clinical Chemistry</td>
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<tr>
<td>PC MDL 247 Practicum: Clinical Microbiology</td>
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<tr>
<td>ASU MDL 451 Advanced Practicum: Clinical Microbiology</td>
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<th>TERM NINE – SPRING 4 credits</th>
<th>117-120 CREDIT HOURS</th>
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<tbody>
<tr>
<td>PC MDL 249 Practicum: Clinical Chemistry</td>
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</tr>
<tr>
<td>ASU MDL 461 Advanced Practicum: Clinical Chemistry</td>
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<tr>
<td>PC MDL 290 Medical Laboratory Science Program Review</td>
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