### 2023 - 2024 Major Map

**Applied Science (Medical Laboratory Science), BAS**

**School/College:** College of Health Solutions, NUMLSBAS

#### Applicable Community College Prerequisites 0 - 90 Credit Hours

<table>
<thead>
<tr>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
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</thead>
</table>
| 90    |               | • Students may meet lower division general studies requirements with the AAS degree.  
       |               | • Students must complete all ASU general studies requirements in order to earn ASU BAS degree.  
       |               | • Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |

#### Term 5 90 - 99 Credit Hours Necessary course signified by ★

<table>
<thead>
<tr>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>90</td>
<td></td>
<td>• Develop your professional online presence</td>
</tr>
</tbody>
</table>

- Upper Division Computer/Statistics/Quantitative Applications (CS) 3
- Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) 3
- Upper Division Literacy and Critical Inquiry (L) 3

Minimum 2.50 GPA ASU Cumulative.

#### Term 6 99 - 108 Credit Hours Necessary course signified by ★

<table>
<thead>
<tr>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
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<tbody>
<tr>
<td>9</td>
<td></td>
<td>Minimum 2.50 GPA ASU Cumulative.</td>
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</tbody>
</table>

- MDL 410: Laboratory Leadership 1 C
- MDL 420: Advanced Clinical Urinalysis and Body Fluids 2 C
- MDL 430: Advanced Hematology and Hemostasis 3 C
- MDL 440: Advanced Immunohematology and Immunology 3 C

Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

#### Summer 6 108 - 112 Credit Hours Necessary course signified by ★

<table>
<thead>
<tr>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
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<tbody>
<tr>
<td>4</td>
<td></td>
<td>Minimum 2.50 GPA ASU Cumulative.</td>
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</tbody>
</table>

- MDL 421: Advanced Practicum in Clinical Urinalysis and Body Fluids 1 C
- MDL 431: Advanced Practicum in Hematology and Hemostasis 1 C
- MDL 441: Advanced Practicum in Immunohematology and Immunology 2 C

Minimum 2.50 GPA ASU Cumulative.
Term 7 112 - 118 Credit Hours Necessary course signified by ✪

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDL 450: Advanced Clinical Microbiology</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>MDL 460: Advanced Clinical Chemistry</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Minimum 2.50 GPA ASU Cumulative.</td>
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<td>• Gather professional references</td>
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</table>

Term hours subtotal: 6

Term 8 118 - 120 Credit Hours Necessary course signified by ✪

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDL 451: Advanced Practicum: Clinical Microbiology</td>
<td>1</td>
<td>C</td>
<td>• Apply for full-time career opportunities</td>
</tr>
<tr>
<td>MDL 461: Advanced Practicum: Clinical Chemistry</td>
<td>1</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Minimum 2.50 GPA ASU Cumulative.</td>
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</table>

Term hours subtotal: 2

Hide Course List(s)/Track Group(s)

Notes:
- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 90 maximum

General University Requirements Legend

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed next to courses on the major map were valid for the 2023 - 2024 academic year. Please refer to the course catalog for current General Studies designations at time of class registration. General Studies credit is applied according to the designation the course carries at the time the class is taken.