## 2020 - 2021 Major Map

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

**School/College:** College of Health Solutions  
**Location:** Downtown Phoenix campus  
**NUMLSBAS**

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

<table>
<thead>
<tr>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>90</td>
<td></td>
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</tbody>
</table>

**Term hours subtotal:** 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

<table>
<thead>
<tr>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
</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 hours subtotal:** 9

### Term 6 99 - 108 Credit Hours

<table>
<thead>
<tr>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
</table>

**MDL 410: Laboratory Leadership**  
1

**MDL 420: Advanced Clinical Urinalysis and Body Fluids**  
2

**MDL 430: Advanced Hematology and Hemostasis**  
3

**MDL 440: Advanced Immunohematology and Immunology**  
3

- Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).
- Minimum 2.50 GPA ASU Cumulative.

**Term hours subtotal:** 9

### Summer 6 108 - 112 Credit Hours

<table>
<thead>
<tr>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
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</thead>
</table>

**MDL 421: Advanced Practicum in Clinical Urinalysis and Body Fluids**  
1

**MDL 431: Advanced Practicum in Hematology and Hemostasis**  
1

**MDL 441: Advanced Practicum in Immunohematology and Immunology**  
2

- Minimum 2.50 GPA ASU Cumulative.

**Term hours subtotal:** 4

### Term 7 112 - 118 Credit Hours

<table>
<thead>
<tr>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
</table>

**Term hours subtotal:**
MDL 450: Advanced Clinical Microbiology 3 C
MDL 460: Advanced Clinical Chemistry 3 C
🌟 Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 6

**Term 8 118 - 120 Credit Hours Necessary course signified by ✭**

<table>
<thead>
<tr>
<th>Course Description</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>✭ Apply for full-time career opportunities</td>
</tr>
</tbody>
</table>

🌟 Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 2

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: 64 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 on the major map are current for the 2020 - 2021 academic year.