# 2021 - 2022 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**

### Notes
- 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>
</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 Necessary course signified by ✨

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

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: **9**

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

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

<table>
<thead>
<tr>
<th>Term 7 112 - 118 Credit Hours</th>
<th>Necessary course signified by</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>• Gather professional references</td>
<td></td>
</tr>
<tr>
<td>MDL 460: Advanced Clinical Chemistry</td>
<td>3</td>
<td>C</td>
<td></td>
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</tr>
<tr>
<td><strong>Minimum 2.50 GPA ASU Cumulative.</strong></td>
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<tr>
<td>Term hours subtotal:</td>
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<td></td>
<td>4</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 8 118 - 120 Credit Hours</th>
<th>Necessary course signified by</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>
<td></td>
</tr>
<tr>
<td>MDL 461: Advanced Practicum: Clinical Chemistry</td>
<td>1</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Minimum 2.50 GPA ASU Cumulative.</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Term hours subtotal:</td>
<td></td>
<td></td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

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.

**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)

**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 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 2021 - 2022 academic year.