

## 2024 - 2025 Major Map

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

School/College: College of Health Solutions  
 NUMLSBAS

Applicable Community College Prerequisites 0 - 90 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	90		
Term hours subtotal:	90		<ul style="list-style-type: none"> <li>Students may meet lower division general studies requirements with the AAS degree.</li> <li>Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Complete 3 courses:	9		
Upper Division Elective			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	9		<ul style="list-style-type: none"> <li>Visit the <a href="#">Medical Laboratory Science program webpage</a> for additional resources such as the student handbook and program schedule.</li> </ul>

Term 6 99 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	9		<ul style="list-style-type: none"> <li>Check your degree progress and learn to run your <a href="#">Graduation Audit (DARS)</a>.</li> </ul>

Summer 6 108 - 112 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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 hours subtotal:	4		<ul style="list-style-type: none"> <li>Develop your <a href="#">professional online presence</a>.</li> </ul>

Term 7 112 - 118 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
MDL 450: Advanced Clinical Microbiology	3	C	
MDL 460: Advanced Clinical Chemistry	3	C	
			<ul style="list-style-type: none"> <li>Gather <a href="#">professional references</a>.</li> </ul>

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 6

Term 8 118 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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MDL 451: Advanced Practicum: Clinical Microbiology

1

C

- Apply for full-time career opportunities

MDL 461: Advanced Practicum: Clinical Chemistry

1

C

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 2

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

- **Total Hours:** 120
- **Upper Division Hours:** 45 minimum
- **University Undergraduate Graduation Requirements**

#### Notes:

Mathematics Placement Assessment score determines placement in first mathematics course.

General Studies designations listed next to courses on the major map were valid for the 2024 - 2025 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.