



**PHOENIX COLLEGE**  
A MARICOPA COMMUNITY COLLEGE

**ASU** College of  
**Health Solutions**  
Arizona State University

# Medical Laboratory Science Pathway

Catalog Years 2025-26 and later

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

## Special Requirements

A 2.50 GPA in the prerequisite coursework (noted by an asterisk, \*) is required for admission to the ASU Medical Laboratory Sciences BAS program. Students 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 courses listed in terms 5-9 below. All course work must be completed with a "C" or better.

## General Studies

Students must satisfy the [ASU University General Studies requirements](#). The ASU General Studies Gold requirements, which apply to catalogs 2024-25 and later, are reflected in this document. Students may alternatively complete an [Arizona General Education Curriculum \(AGEC\)](#) before applying to the BAS program/ before Term 5 to fulfill these requirements.

## Sample Course Plan

College	Term 1	Credits
PC	CRE 101 Critical Reading and Critical Thinking (or test out of requirement)	3
PC	FYE 101 Introduction to College, Career and Personal Success or FYE 103 Exploration of College, Career and Personal Success	1 or 3
PC	HCC 145 AA Medical Terminology for Health Care Workers*	1
PC	MAT 151 College Algebra/Functions (or higher) (MATH)*	3
PC	ENG 101 First Year Composition OR ENG 107 First Year Composition for ESL	3
PC	HUAD OR SOBE OR GCSI <sup>+</sup>	3
Total		14 or 16

College	Term 2	Credits
PC	BIO 181 General Biology (SCIT)*	4
PC	CHM 151 General Chemistry I (SCIT)*	3
PC	CHM 151LL General Chemistry I Laboratory (SCIT)*	1
PC	ENG 102 First Year Composition OR ENG 108 First Year Composition for ESL	3
PC	HUAD OR SOBE OR GCSI <sup>†</sup>	3
Total		14

College	Term 3	Credits
PC	BIO 182 General Biology II (SCIT)*	4
PC	CHM 152 General Chemistry II (SCIT)*	3
PC	CHM 152LL General Chemistry II Laboratory (SCIT)*	1
PC	HUAD OR SOBE OR GCSI <sup>†</sup>	3
PC	HUAD OR SOBE OR GCSI <sup>†</sup>	3
Total		14

College	Term 4	Credits
PC	BIO 160 Introduction to Human Anatomy and Physiology (SCIT)*	4
PC	BIO 205 Microbiology (SCIT)*	4
PC	CHM 230 Fundamental Organic Chemistry (SCIT)*	3
PC	CHM 230LL Fundamental Organic Chemistry Laboratory (SCIT)*	1
PC	COM 225 Public Speaking (CIVI)*	3
Total		15

Note: **Submit MDL application.** If accepted, student will progress to Terms 5-9.

College	Term 5	Credits
PC	MDL 190 Clinical Laboratory Operations	2
ASU	Upper Division Elective (AMIT* recommended)	3
ASU	Upper Division Elective (QTRS* recommended)	3
ASU	Upper Division Elective (SUST* recommended)	3
Total		11

College	Term 6	Credits
PC	MDL 240 Clinical Urinalysis and Body Fluids	3
PC	MDL 242 Clinical Hematology and Hematosis	6
PC	MDL 244 Clinical Immunohematology and Immunology	6
ASU	MDL 410: Laboratory Leadership	1
ASU	MDL 420: Advanced Clinical Urinalysis and Body Fluids	2
ASU	MDL 430: Advanced Hematology and Hemostasis	3
ASU	MDL 440: Advanced Immunohematology and Immunology	3
Total		21

College	Term 7	Credits
PC	MDL 241 Practicum: Clinical Urinalysis and Body Fluids	1
PC	MDL 243 Practicum: Clinical Hematology and Hematosis	1
PC	MDL 245 Practicum: Clinical Immunohematology and Immunology	1
PC	MDL 252 Clinical Preparation I	0.5
ASU	MDL 421: Advanced Practicum in Clinical Urinalysis and Body Fluids	1
ASU	MDL 431: Advanced Practicum in Hematology and Hemostasis	1
ASU	MDL 441: Advanced Practicum in Immunohematology and Immunology	2
Total		6.5

College	Term 8	Credits
PC	MDL 246 Clinical Microbiology	6
PC	MDL 248 Clinical Chemistry	6
ASU	MDL 450: Advanced Clinical Microbiology	3
ASU	MDL 460: Advanced Clinical Chemistry	3
Total		18

College	Term 9	Credits
PC	MDL 247 Practicum: Clinical Microbiology	1
PC	MDL 249 Practicum: Clinical Chemistry	1
PC	MDL 263 Clinical Preparation II	0.5
PC	MDL 291 Medical Laboratory Science Program Capstone	1
ASU	MDL 451: Advanced Practicum: Clinical Microbiology	1
ASU	MDL 461: Advanced Practicum: Clinical Chemistry	1
Total		5.5

† To explore courses that satisfy the ASU General Studies Gold requirements, please refer to the [ASU Equivalency Search](#). Course offerings at Phoenix College and at ASU will vary by term. Two HUAD courses (6 credits) are required.