



Maricopa-ASU Medical Laboratory Science (MDL) Pathway
College of Health Solutions
Catalog Year 2024-2025

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

Special Requirements:

A 2.50 GPA in the course work in Sections I, II, and III of the Pathway (taken in terms 1-4 below) is required for admission to the ASU Medical Laboratory Sciences BAS program. Student 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.

Students must satisfy the [ASU University General Studies requirements](#). The General Studies Gold requirements, which apply to catalogs 2024-25 and later, are reflected in this document.

Courses in Blue (PC) are Phoenix College courses. Courses in Black (ASU) are ASU courses.

TERM ONE: 14 Credits 0-14 Credit Hours		
PC	HCC 145AA: Medical Terminology for Health Care Workers	1
	CHM 151 General Chemistry I SCIT *MAT 151 or higher is needed as a prerequisite for CHM 151	3
PC	CHM 151L General Chemistry I Laboratory SCIT	1
PC	MAT 142 (MATH): College Mathematics or higher *	3
PC	ENG 101 First Year Composition OR ENG 107 for ESL	3
PC	Humanities, Arts & Design (HUAD)* OR Social & Behavioral Sciences (SOBE) OR Global Communities, Societies and Individuals (GCSI)	3

TERM TWO: 14 Credits 15-28 Credit Hours		
	CHM 152 General Chemistry II SCIT	3
PC	CHM 152L General Chemistry II Laboratory SCIT	1
PC	BIO 181 General Biology I	4
PC	ENG 102 First Year Composition OR ENG 108 for ESL	3
PC	Humanities, Arts & Design (HUAD)* OR Social & Behavioral Sciences (SOBE) OR Global Communities, Societies and Individuals (GCSI)	3

TERM THREE: 14 Credits 29-42 Credit Hours		
	BIO 182 General Biology II SCIT	4
PC	CHM 230 Fundamental Organic Chemistry SCIT	3
PC	CHM 230L Fundamental Organic Chemistry Laboratory SCIT	1
PC	Humanities, Arts & Design (HUAD)* OR Social & Behavioral Sciences (SOBE) OR Global Communities, Societies and Individuals (GCSI)	3
PC	Humanities, Arts & Design (HUAD)* OR Social & Behavioral Sciences (SOBE) OR Global Communities, Societies and Individuals (GCSI)	3

TERM FOUR: 11 Credits 43-53 Credit Hours		
	BIO 205 Microbiology SCIT	4
PC	COM 225 Public Speaking CIVI	3
PC	BIO 160 Introduction to Human Anatomy and Physiology SCIT	4
	Submit MDL application. If accepted into the MDL program, student will progress to terms 5-9.	

* Two courses are required for the Humanities, Arts and Design (HUAD) requirement.

SCIT - Scientific Thinking in Natural Sciences

CIVI - Governance and Civic Engagement

Term Five—Fall 11 Credits 54-64 Credit Hours		
ASU	Upper Division Elective (Recommend QRTS) **	3
ASU	Upper Division Elective (Recommend AMIT) **	3
ASU	Upper Division Elective (Recommend SUST) **	3
	Nine credits of upper division electives is required to meet the UD credit minimum. We recommend using these courses to satisfy outstanding GS requirements.	
PC	MDL 190 Clinical Laboratory Operations	2

Term Six—Spring 24 Credits 65-89 Credit Hours		
ASU	MDL 410 Laboratory Leadership	1
PC	MDL 240 Clinical Urinalysis and Body Fluids	3
ASU	MDL 420 Advanced Clinical Urinalysis and Body Fluids	2
PC	MDL 242 Clinical Hematology and Hemostasis	6
ASU	MDL 430 Advanced Hematology and Hemostasis	3
PC	MDL 244 Clinical Immunohematology and Immunology	6
ASU	MDL 440 Advanced Immunohematology and Immunology	3

Term Seven—Summer 7.5 Credits 90-96 Credit Hours		
PC	MDL 252 Clinical Preparation I	.5
PC	MDL 241 Practicum: Clinical Urinalysis and Body Fluids	1
ASU	MDL 421 Advanced Practicum: Clinical Urinalysis and Body Fluids	1
PC	MDL 243 Practicum: Clinical Hematology and Hemostasis	1
ASU	MDL 431 Advanced Practicum: Clinical Hematology and Hemostasis	1
PC	MDL 245 Practicum: Clinical Immunohematology and Immunology	1
ASU	MDL 441 Advanced Practicum: Clinical Immunohematology and Immunology	2

Term Eight—Fall 18 Credits 97-114 Credit Hours		
PC	MDL 246 Clinical Microbiology	6
ASU	MDL 450 Advanced Clinical Microbiology	3
PC	MDL 248 Clinical Chemistry	6
ASU	MDL 460 Advanced Clinical Chemistry	3

Term Nine—Spring 5.5 Credits 115-120 Credit Hours		
PC	MDL 263 Clinical Preparation II	.5
PC	MDL 247 Practicum: Clinical Microbiology	1
ASU	MDL 451 Advanced Practicum: Clinical Microbiology	1
PC	MDL 249 Practicum: Clinical Chemistry	1
ASU	MDL 461 Advanced Practicum: Clinical Chemistry	1
PC	MDL 291 Medical Laboratory Science Program Review	1

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 QRTS - Quantitative Reasoning
 AMIT - American Institutions
 SUST - Sustainability