

**Area of Interest:** Nursing, Health & Emergency Careers  
**Degree:** Medical Laboratory Technician, Associate of Applied Science (AAS)  
**College Catalog:** [2024-2025](#)



**Program Location:** Signal Peak Campus

**Program Description:** The Medical Laboratory Technician AAS prepares a graduate for employment in a clinical/medical laboratory. The graduate will perform routine lab testing for blood, urine, cultures, and other body fluids under the supervision of a medical laboratory scientist. Other responsibilities include performing test/instrument quality control and maintenance on a daily basis, as well as evaluating test results.

**Contact Information:** Jennifer Bishop (Program Director) [jennifer.bishop@centralaz.edu](mailto:jennifer.bishop@centralaz.edu) or 520-494-5531

**Advising:** [nhec.advisor@centralaz.edu](mailto:nhec.advisor@centralaz.edu)

**Area of Interest Website:** [Nursing, Health & Emergency Careers](#)

### Legend

**Bold Course**=Required Course      Recommended Course (R)      Stackable Certificate (SC)

### AGEC Course list (Arizona General Education Curriculum)

Written Communication ( <b>WC</b> )	Oral Communication ( <b>OC</b> )	Arts/Humanities ( <b>AH</b> )	Social/Behavioral Science ( <b>SB</b> )
Lab Science ( <b>LS</b> )	Mathematics ( <b>M</b> )	Core Course ( <b>CC</b> )	Elective ( <b>E</b> )

### Pre-Degree Requirements:

**Before applying to the program, students need to have completed the following:**

High school diploma or GED.
RDG100 College Reading or equivalent reading assessment option - <a href="https://centralaz.edu/academics/advising/#tab-id-2">https://centralaz.edu/academics/advising/#tab-id-2</a>
CLA155 Introduction to Phlebotomy and CLA255 Phlebotomy Practicum OR Phlebotomist certificate.
For admission to the Medical Laboratory Technician program, grade point average (GPA) must be at least 2.5.
Current immunization records are required to apply to the program.
Student must pay for and pass a background check and urinalysis.
A current 2-part TB skin test, or chest X-Ray or negative blood test for tuberculosis required.

### Semester 1: New Students-Find your suggested starting point for English/Reading & Math courses.

	COURSE	CREDITS	SEMESTER/GRADE	NOTES
WC	ENG101 College Composition I	3		Health-care specific section preferred.
M	MAT121 Intermediate Algebra, Standard or Higher	4		
LS	BIO181 General Biology I	4		
CC	<b>MLT270 Clinical Parasitology, Virology, and Mycology</b>	2		
<b>Semester Credits</b>		<b>13</b>	<b>Meet with your CAC advisor each semester!</b>	

### Semester 2

	COURSE	CREDITS	SEMESTER/GRADE	NOTES
CC	<b>BIO205 Microbiology</b>	4		
CC	<b>MLT220 Clinical Hematology and Hemostasis</b>	7		
CC	<b>MLT230 Clinical Urinalysis and Body Fluids</b>	4		
<b>Semester Credits</b>		<b>15</b>	<b>Research career resources and opportunities!</b>	

### Semester 3

	COURSE	CREDITS	SEMESTER/GRADE	NOTES
	AH Select an AGEC Arts & Humanities course	3		
R	SB PSY101 Introduction to Psychology	3		
CC	<b>MLT210 Laboratory Operations</b>	3		

	CC	<b>MLT240 Clinical Immunohematology &amp; Immunology</b>	7		
		<b>Semester Credits</b>	<b>16</b>	<b>Apply for graduation and attend career events!</b>	

#### Semester 4

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
	OC	COM100 Fundamentals of Human Communication or Higher	3		
	CC	<b>CHM130 Fundamental Chemistry or Higher</b>	4		
	CC	<b>MLT275 Clinical Microbiology</b>	7		
		<b>Semester Credits</b>	<b>14</b>	<b>Finish strong-don't get distracted before finals!</b>	

#### Semester 5

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
	CC	<b>MLT250 Clinical Chemistry</b>	7		Fall Only
		<b>Semester Credits</b>	<b>7</b>		
		<b>Total Degree Credits</b>	<b>65</b>		

Arizona Resident Tuition for 2024-2025 is \$75 per credit hour, see [Paying for College](#). Financial aid may be available.

#### Career Information

**CAC Career Center:** [centralaz.edu/career](http://centralaz.edu/career) FREE CAC career resources and assistance.

**O\*NET OnLine:** Visit [onetonline.org](http://onetonline.org) and search for:

- Education needed for specific occupations
- Occupation tasks, knowledge, skills and abilities
- Salary/wages for specific occupations (\$)

#### Transfer Information

**CAC University Transfer Center:** [centralaz.edu/transfer](http://centralaz.edu/transfer) FREE CAC transfer resources and assistance.

**Note:** Use this Program MAP as a guide to choose courses with your advisor and track progress towards milestones and completion of program. Work with an advisor to customize your plan to align with your specific career and/or transfer goals.

**Part-Time Students:** Plans can be modified to fit the need of part-time students by adding more semesters.

**Student Name:**

**Advisor Name:**

**Student ID Number:** 880

**Date:**