

 	<p style="text-align: center;">ASSOCIATE OF APPLIED SCIENCE</p> <p style="text-align: center;">MEDICAL LABORATORY TECHNOLOGY</p> <p style="text-align: center;"><i>The catalog in force is assigned to students based on the academic year they first applied to the college, and changes only when students change their major or request the change in writing. Refer to Policy No. 3357:15-13-28.</i></p>	<p style="text-align: center;">2024-25 Catalog</p> <p style="text-align: center;">Effective Summer 2024</p> <hr/> <p style="text-align: center;">3300</p> <p style="text-align: center;">Pre-3301</p>
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Health and Public Services Division

Respiratory, Laboratory, and Surgical Technology Dept.

PRE-MEDICAL LABORATORY CREDITS AS LISTED BELOW:				
NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
MTH124	Statistics [^]	3	MTH022 or Pre-Co-MTH024 or Proficiency	
TOTAL CREDIT HOURS		3		
TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
MLT121	Fundamentals of Laboratory Techniques ▲ -	2		
MLT122	Urinalysis and Body Fluids ▲ *	3	MLT124	
MLT123	Hematology I ▲ -	3		
MLT124	Hematology II ▲ +	3	MLT123	
MLT125	Immunohematology ▲ +	5	MLT121 and MLT126	
MLT126	Immunology/Serology ▲ -	3		
MLT223	Clinical Microbiology ▲ -	5	BIO221 and MLT126	
MLT225	MLT Applications ▲ +	3	MLT125 and MLT222 and MLT223	
MLT226	MLT Directed Practice ▲ +	6	MLT225 and Co-MLT227	
MLT227	MLT Seminar ▲ +	1	MLT223 and MLT225 and Co-MLT226	
Total		34		
NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar ^{^^}	1	Take first semester	
BIO123	Principles of Human Structure & Function (lab) ▲ # @	5	BIO101 or Proficiency	
BIO221	Principles of Microbiology (lab)	4	BIO122 or BIO123 or BIO127 or BIO141	
CHM123	General, Organic, and Biological Chemistry [^]	4	(MTH024 or MTH025 or proficiency) or MTH105 or MTH107 or (CHM101 or proficiency)	
CHM243	Biochemistry I	3	CHM123 or CHM 141	
ENG124	College Composition [^]	3	Co-ENG024 or Co-ENG011 or Proficiency	
MLT222	Clinical Chemistry ▲ -	4	(BIO122 or BIO123) and Pre-Co-CHM243 and MLT121 and MLT122	
	<i>Social and Behavioral Sciences Elective*</i>	3	Check for prerequisites	
Total		27		
TOTAL CREDIT HOURS		64		

[^]Based on SSC placement scores.

^{^^}To promote student success, this course should be taken in the first semester.

@ "B" or better in BIO101 or High School Biology (must be within 5 years).

BIO121 and BIO122 can be substituted for BIO123

▲ Because of the strong emphasis on science in this major, applicants must have successfully completed chemistry and biology in high school. Students who did not complete the courses in high school, and those who prefer to refresh their knowledge of the material, should complete the listed pre-requisites.

*Choose from sociology or psychology offerings

▲+ Spring only courses. Please see your academic advisor for availability.

▲- Fall only courses. Please see your academic advisor for availability.

▲* Summer only courses. Please see your academic advisor for availability.

Students are required to follow the program curriculum in effect when they begin taking technical courses, not when students are accepted to the College or program.

Minimum grade of "C" in all technical and non-technical courses in the program curriculum is required.

This program requires an application (separate from the College). Please see your advisor to discuss the application process.

FULL-TIME STUDENT ADVISING NOTES

Academic Advising

Students should make an appointment to see their advisor before registering for classes each semester. They should have prepared a completed registration form, including courses they wish to take, prior to this meeting.

Course Sequence

The semester-by-semester listing below provides the normal scheduling option for full-time associate degree students who plan to finish in two years.

<u>Pre-Medical Laboratory Courses</u>		<u>Credit Hours</u>	<u>Pre- and Co-requisites</u>
MTH124	Statistics^	<u>3</u>	MTH022 or Pre-Co-MTH024 or Proficiency
		3	
<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- and Co-requisites</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
BIO123	Principles of Human Structure & Function (lab)▲#@	5	BIO101 or Proficiency
MLT121	Fundamentals of Laboratory Techniques▲-	2	
MLT126	Immunology/Serology▲-	3	
MLT123	Hematology I▲-	<u>3</u>	
		14	
<u>Second Semester</u>			
CHM123	General, Organic, and Biological Chemistry^	4	(MTH024 or MTH025 or proficiency) or MTH105 or MTH107 or (CHM101 or proficiency)
ENG124	College Composition^	3	Co-ENG024 or Co-ENG011 or Proficiency
MLT124	Hematology II▲+	3	MLT123
MLT125	Immunohematology▲+	<u>5</u>	MLT121 and MLT126
		15	
<u>Third Semester</u>			
BIO221	Principles of Microbiology (lab)	4	BIO122 or BIO123 or BIO127 or BIO141
MLT122	Urinalysis and Body Fluids▲*	<u>3</u>	MLT124
		7	
<u>Fourth Semester</u>			
CHM243	Biochemistry I	3	CHM123 or CHM 141
MLT222	Clinical Chemistry▲-	4	(BIO122 or BIO123) and Pre-Co-CHM243 and MLT121 and MLT122
MLT223	Clinical Microbiology▲-	<u>5</u>	BIO221 and MLT126
		12	
<u>Fifth Semester</u>			
<i>Social and Behavioral Sciences Elective*</i>		3	<i>Check for prerequisites</i>
MLT225	MLT Applications▲+	3	MLT125 and MLT222 and MLT223
MLT226	MLT Directed Practice▲+	6	MLT225 and Co-MLT227
MLT227	MLT Seminar▲+	<u>1</u>	MLT223 and MLT225 and Co-MLT226
		13	
	TOTAL CREDITS	64	

Please see page one for footnotes