



ASSOCIATE OF APPLIED SCIENCE

MEDICAL LABORATORY TECHNOLOGY

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.

2021 Catalog
Effective Summer 2020

3300
Pre-3301

Health and Public Services Division

Respiratory, Laboratory, and Surgical Technology Dept.

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	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	<i>Take first semester</i>	
BIO123	Principles of Human Structure & Function (lab) ▲ #	5	BIO101 or Proficiency	
BIO221	Principles of Microbiology (lab)	4	BIO122 or BIO123 or BIO141	
CHM121	General, Organic, and Biological Chemistry I ^	4	(CHM101 or Proficiency) or (MTH024 or MTH025 or Proficiency) or MTH105 or MTH107	
CHM122	General, Organic, and Biological Chemistry II	4	CHM121	
MTH124	Statistics ^	3	MTH022 or Pre-Co-MTH024 or Proficiency	
ENG124	College Composition ^	3	Co-ENG024 or Co-ENG011 or Proficiency	
MLT222	Clinical Chemistry ▲ -	4	(BIO122 or BIO123) and CHM122 and MLT121 and MLT122	
	<i>Social Science Elective*</i>	3	<i>Check for prerequisites</i>	
Total		31		
TOTAL CREDIT HOURS		65		

^Based on SSC placement scores.

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

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>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
CHM121	General, Organic, and Biological Chemistry I^	4	(CHM101 or Proficiency) or (MTH024 or MTH025 or Proficiency) or MTH105 or MTH107
MLT121	Fundamentals of Laboratory Techniques▲-	2	
MLT126	Immunology/Serology▲-	3	
MLT123	Hematology I▲-	<u>3</u>	
		18	
<u>Second Semester</u>			
CHM122	General, Organic, and Biological Chemistry II	4	CHM121
MTH124	Statistics^	3	MTH022 or Pre-Co-MTH024 or Proficiency
MLT124	Hematology II▲+	3	MLT123
MLT125	Immunohematology▲+	<u>5</u>	MLT126
		15	
<u>Summer</u>			
BIO221	Principles of Microbiology (lab)	4	BIO122 or BIO123 or BIO141
MLT122	Urinalysis and Body Fluids▲*	<u>3</u>	MLT124
		7	
<u>Fourth Semester</u>			
ENG124	College Composition^	3	Co-ENG024 or Co-ENG011 or Proficiency
MLT222	Clinical Chemistry▲-	4	(BIO122 or BIO123) and CHM122 and MLT121 and MLT122
MLT223	Clinical Microbiology▲-	<u>5</u>	BIO221 and MLT126
		12	
<u>Fifth Semester</u>			
<i>Social Science 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	65	

^Based on SSC placement scores.

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

BIO121 and BIO122 can be substituted for BIO123

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