



**Program: Medical Laboratory Technician AAS (69 credits) Division: Health Professions**

Student:	ID#:	Catalog Yr: 2020-21
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Curriculum Prerequisites						
CSS-103*	College Success Strategies	3	X			All & OL
MAT-110	Algebra II	3	X	MAT-035 (C or better)		All & OL
CHE-120	Principles of Chemistry or high school Chemistry	4	X	MAT-030		All
BIO-140 or BIO-150	Essentials of Biology or Biology I	4	X	COM-098 or EAP-060 and EAP-050, MAT-020 or sufficient placement test score COM-098 or EAP-060 and EAP-050, CHE-120 or high school Chemistry, MAT-030		All

**GENERAL EDUCATION REQUIREMENTS –AAS (22 credits)**

√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Code^
	COM-121*	English Composition I	3	X	COM-098 or EAP-060 and EAP-050 (C or better)	All & OL	WC/IL
	IFT-110*	Microcomputer Applications	3	X	MAT-020	All & OL	TC

**HUMANITIES: 6 credits**

<b>Select 1 course from the following:</b>							
	COM-151*	Fundamentals of Speech	3	X	COM-098 or EAP-060 and EAP-050	All & OL	OC
	COM-141	Technical Writing	3		COM-121 or COM-122 (C or better)	F/Sp & OL	OC
<b>Select 1 course from the following:</b>							
	PHI-271*	Philosophy	3	X	COM-121 or COM-122	All & OL	AU
	PHI-275*	Ethics	3		COM-121 or COM-122	F/Sp	AU

**MATHEMATICS: 3 credits (Select 1 course)**

	MAT-210	Statistics	3	X	MAT-034 (recommended) or MAT-030, MAT-032 or MAT-035; COM-098 or EAP-060 and EAP-050, or appropriate pl. test score	All & OL	QR/CA
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**NATURAL/PHYSICAL SCIENCES: 3 or 4 credits (Select 1 course)**

	BIO 250	Anatomy & Physiology 1	4	X	BIO 140 or BIO 150 (C or better), CHE-120 (C or better), COM-098 or EAP-060 and EAP-050	All	SR
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**SOCIAL SCIENCES: 3 credits (Select 1 course)**

	PSY-130*	General Psychology	3	X	COM-098 or EAP-060 and EAP-050	All & OL	CU
	SOC-130*	Sociology	3		COM-098 or EAP-060 and EAP-050	All & OL	CU

\*Sections of these courses offered in the Honors Program, check <https://www.racc.edu/academics/honors-program> for details.

**Online (OL)** may not be offered every semester. Please check the schedule.

^Code	This course fulfills the Core Competency for:
WC/IL	Written Communication/Information Literacy
OC	Oral Communication
QR/CA	Quantitative Reasoning/Critical Analysis
CU	Cultural Understanding
AU	Aesthetic Understanding
SR	Scientific Reasoning
TC	Digital/Technical Competence



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**MAJOR REQUIREMENTS (47 credits)**

FALL SEMESTER 1							
√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Grade
	MLT-110	Intro to Clinical Lab	1	X	COM-098 or EAP-060 and EAP-050, MAT-020	Fall	
	CHE-150	Chemistry I	4	X	CHE-120, MAT-110	Fall	
SPRING SEMESTER 1							
√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Grade
	BIO-255	Anatomy & Physiology 2	4	X	BIO-250 with C or better	All	
	MLT-120	Basic Immunology	3	X	Adv. HS Biology w/in 5 years or BIO140; COM-097 or EAP-040	Spring	
	HEA-220	Clinical Implications of Lab Tests	1	X		Fall/Spring	
	CHE-250	Organic Chemistry I	4	X	CHE-150, BIO-140 or BIO-150	Spring	
	CHE-251	Biomolecules	1	X	CHE-150; co-req CHE-250	Spring	
FALL SEMESTER 2							
√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Grade
	CHE-260	Theory of Chemical Instrumentation	2	X	CHE-150;	Fall/OL	
	BIO-280	Microbiology	4	X	BIO-140 or BIO-150 (C or better); CHE 120 (C or better or high school chemistry); COM-098 or EAP-050 and EAP-060	All	
	MLT-211	Clinical Lab Tech	4	X	MLT-120; Selective Admission	Fall	
INTERIM JANUARY SESSION							
√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Grade
	MLT-222	Clinical Urinalysis	1	X	MLT-211; Co-req MLT-233	Spring	
	MLT-233	Clinical Serology	1	X	MLT-211; Co-req MLT-222	Spring	
SPRING SEMESTER 2							
√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Grade
	MLT-220	Clinical Hematology/Coag	5	X	MLT-211; Co-req MLT-231, 230, 221	Spring	
	MLT-221	Clinical Chemistry	4	X	MLT-211; Co-req MLT-231, 230, 220	Spring	
	MLT-230	Clinical Blood Bank	4	X	MLT-211; Co-req MLT-231, 221, 220	Spring	
	MLT-231	Clinical Microbiology	4	X	MLT-211; Co-req MLT-230, 221, 220	Spring	

**Advisor's Contact Information:**

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