



**Program: Medical Laboratory Technician AAS (68 credits)      Division: Health Professions**

Student:	ID#:	Catalog Yr: 2017-18
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Curriculum Prerequisites						
ORI-103*	College Success Strategies	3	X			All & OL
MAT-110	Intermediate Algebra	3	X	MAT-035 (C or better)		All & OL
CHE-120	Principles of Chemistry or high school Chemistry	4	X	COM-061 or ESL-060, MAT-030		All
BIO-150	Biology I	4	X	COM-061 or ESL-060 and COM-051 or ESL-051, CHE-120 or high school Chemistry, MAT-020		All

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

√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Code^
	COM-121*	English Composition I	3	X	COM-061 or ESL-060 and COM-051 or ESL-051 (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-061 or ESL-060 and COM-051 or ESL-051	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	Student can take MAT-030, MAT 035. COM-061 or ESL-060, COM-051 or ESL-050	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 w/"C" or better; CHE 120 w/"C" or better; COM 051 or ESL 050; COM 061 or ESL 060	All	SR
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**SOCIAL SCIENCES: 3 credits (Select 1 course)**

	PSY-130*	General Psychology	3	X	COM-061 or ESL-060 and COM-051 or ESL-051	All & OL	CU
	SOC-130*	Sociology	3		COM-061 or ESL-060 and COM-051 or ESL-051	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 (46 credits)**

FALL SEMESTER 1							
√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Grade
	MLT-110	Intro to Clinical Lab	1	X	COM-061 or ESL-060 and COM-051 or ESL-050/1; 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	2	X	COM-061 or ESL-060; BIO-140 or BIO-150 with C or better, CHE-120 or high school Biology and Chemistry with C or better	Spring	
	HEA-220	Clinical Implications of Lab Tests	1	X	COM-061 or ESL-060	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; IFT-110	Fall/OL	
	BIO-280	Microbiology	4	X	BIO-140 or BIO-150 w/"C" or better; CHE 120 w/"C" or better or high school chemistry; COM-061 or ESL-060 and COM-051 or ESL-050/1	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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