Program:	MLT.AAS Medical Laboratory Technician (68 credits)		Division: Health Professions
Student:		ID#:	Catalog Year: 2026-2027

PREREQUISITES					
Course Type	**Course#**	**Course Name**	**Cr.**	**Pre-requisites/ Co-requisites**	**Semesters**
Gen Ed	CSS-103*	College Success Strategies	3		All & OL
Gen Ed	MAT-110	Intermediate Algebra	3	MAT-035 with a grade of "C" or better or higher math; COM-098 or EAP-050 and EAP-060	All
Gen Ed	CHE-120	Principles of Chemistry	4	MAT-030 (recommended), MAT-032, MAT-034, or MAT-035 with "C" or better, or any higher-level math COM-098 (or satisfactory placement test score) OR EAP-050 and EAP-060	Fall & Spring
Gen Ed	BIO-140 OR BIO-150	Essentials of Biology OR Biology I	4	MAT-020 with "C" or better or placement by assessment COM-098 (or sufficient placement test score) or EAP-050 and EAP-060 COM-098 (or appropriate score on placement test) OR EAP-050 and EAP-060, CHE-120 & MAT-030	All

SEMESTER BY SEMESTER MAP FOR FULL-TIME STUDENTS
Courses are listed in preferred order of completion. Plans may be modified by adding more semesters.

SEMESTER 1 – Fall (18 credits)
Legend: All = Fall/Spring/Summer; OL = Online

Course Type	**Course#**	**Course Name**	**Cr.**	**Pre-requisites/ Co-requisites**	**Semesters**
Gen Ed	COM-121*	English Composition I	3	COM-098 or EAP-050 and EAP-060	All & OL
Gen Ed	BIO-250	Anatomy & Physiology I	4	BIO-140 (recommended) or BIO-150	All
Major	MLT-110	Introduction to the Clinical Laboratory	1	COM-098 or EAP- 050 and EAP-060; MAT-020	Fall
Major	CHE-150	Chemistry I	4	CHE-120 or high school chemistry with a "C" or better, MAT-110 with a "C" or better	Fall
Gen Ed	MAT-210	Statistics	3	MAT-030, MAT-032, or MAT-035 with a "C" or better; COM-098 or EAP-050 and EAP-060	All & OL
Gen Ed	IFT-110*	Microcomputer Applications	3	MAT 020; COM-097 or EAP-040 and EAP-020 or by placement	All & OL

SEMESTER 2 – Spring (16 credits)
Legend: All = Fall/Spring/Summer; OL = Online

Course Type	**Course Number**	**Course Name**	**Cr.**	**Pre-requisites/ Co-requisites**	**Semesters**
Gen Ed	COM-151* COM-141	Fundamentals of Speech or Technical Writing	3	COM-098 or EAP-050 and EAP-060 COM-121* with "C" or better	All & OL
Major	BIO-255	Anatomy & Physiology II	4	BIO-250 with a "C" or better	All
Major	MLT-120	Basic Immunology	3	Advanced biology within 5 years or BIO-140 or higher; COM-097 or EAP-020 and EAP-040	Spring
Major	HEA-220	Clinical Implication of Lab Tests	1	COM-098 or EAP-060 and EAP-050	Spring
Major	CHE-250	Organic Chemistry I	4	CHE-150 with a "C" or better	Spring
Major	CHE-251	Chemistry of Biomolecules	1	BIO-150 or advanced high school biology; co-req. CHE-250 or CHE-270	Spring

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SEMESTER 3 – Fall (16 credits)
Legend: All = Fall/Spring/Summer; OL = Online

Course Type	Course Number	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
Major	CHE-260	Theory of Chemical Instrumentation	2	CHE-150	Fall
Major	BIO-280	Microbiology	4	BIO-140 or BIO-150 with a "C" or better; CHE-120 or high school chemistry with a "C" or better; COM-098 or EAP-050 and EAP-060	All
Major	MLT-211	Clinical Laboratory Techniques	4	MLT-120 and admission to the clinical portion of the MLT program	Fall
Gen Ed	PHI-271* or PHI-275	Introduction to Philosophy Introduction to Ethics	3	COM-121* with "C" or better	All & OL
Gen Ed	SOC-130 or PSY-130	Sociology General Psychology	3	COM-098 or EAP-050 and EAP-060	All & OL

INTERIM JANUARY SESSION (2 credits)
Legend: All = Fall/Spring/Summer; OL = Online

Course Type	Course Number	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
Major	MLT-222	Clinical Urinalysis	1	MLT-211	Interim
Major	MLT-233	Clinical Serology	1	MLT-211	Interim

SEMESTER 4 – Spring (16 credits)
Legend: All = Fall/Spring/Summer; OL = Online

Course Type	Course Number	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
Major	MLT-220	Clinical Hematology/Coagulation	4	MLT-211	Spring
Major	MLT-221	Clinical Chemistry	4	MLT-211	Spring
Major	MLT-230	Clinical Blood Banking & Immunology	4	MLT-211	Spring
Major	MLT-231	Clinical Microbiology	4	MLT-211	Spring

*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.

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