

READING AREA COMMUNITY COLLEGE
DIVISION OF HEALTH PROFESSIONS - CURRICULUM GUIDE

MEDICAL LABORATORY TECHNICIAN AAS DEGREE

Student's Name: _____ Student ID#: _____

Advisor: _____ Catalog: _____

PRE-COLLEGE LEVEL COURSES (BASED ON PLACEMENT TEST RESULTS)

Course	Description	CR	GR	SEM	Course	Description	CR	GR	SEM
COM-018	Foundational Reading/Writing	5		ALL					
COM-021	Basics of College Reading	3		ALL	COM-040	Basics of College Writing I w/Workshop OR Basics of College Writing I	4	ALL	
COM-061	Advanced Reading	3		All	COM-041		3		
MAT-018	Foundational Math	4		ALL	COM-050	Basics of College Writing II w/Workshop OR Basics of College Writing II	4	ALL	
MAT-020	Basics of College Math	3		ALL	COM-051		3		
MAT-035	Algebra I w/Quadratics	3		ALL					

CURRICULUM PREREQUISITES:

		Semester Offered	Prerequisite	Completed	Credit Hours	Final Grade
ORI 102	College Success Strategies	ALL	COM 009		2	
MAT 110	Algebra II	ALL	MAT 035 with a "C" or better		3	
CHE 120	Principles of Chemistry or high school Chemistry	All	COM 061, MAT 030 or higher level		4	
BIO 150	Biology I	ALL	COM 061, COM 050 or COM 051, CHE 120 or high school Chemistry; MAT 020		4	

FIRST SEMESTER: FALL

		Semester Offered	Prerequisite	Completed	Credit Hours	Final Grade
COM 121	Eng. Comp	All	COM 050/051; COM 061 or by placement		3	
BIO 250	A&P I	All	BIO 150; COM 061; COM 051		4	
MLT 110	Intro to the Clinical Lab	Fall	COM 061 or ESL 060, COM 051 of ESL 051, MAT 020 or appropriate placement		1	
CHE 150	Chem I	Fall	CHE 120 (or high school chemistry within 3 years); MAT 110 with "C" or better		4	
MAT 210	Statistics	Fall/Spring	MAT 030 or 035		3	
IFT 110	Microcomputer Applications	Fall/Spring	COM 061 and MAT 020		3	

SECOND SEMESTER: SPRING

		Semester Offered	Prerequisite	Completed	Credit Hours	Final Grade
COM 131 Or COM 141	Comp & Lit or Tech. Writing	All	COM 121		3	
BIO 255	A&P II	All	BIO 250 within 5 years		4	
MLT 120	Basic Immunology	Spring	COM 061, High school bio and chem within last 5 yrs, or BIO 150 and CHE 120		2	
CHE 250	Organic Chemistry I	Spring	CHE 150, BIO 150		4	
CHE 251	Chemistry of Biomolecules	Spring	BIO 150, Co-requisite: CHE 250, Organic I in same semester or earlier		1	
HEA 220	Clin Imp of Lab Tests	Spring Fall	Com 061		1	

THIRD SEMESTER: FALL

		Semester Offered	Prerequisite	Completed	Credit Hours	Final Grade
CHE 260	Theory of Chemical Instrumentation	Fall	CHE-150, IFT-110		2	
MLT 211	Clinical Lab Techniques	Fall	MLT 120; admission into the clinical class		3	
BIO 280	Microbiology	All	BIO 150; COM 061; COM 051		4	
PHL 271 Or PHL 275	Intro to Philosophy or Intro to Ethics	271: All 275: Fall/Spring	COM 121		3	
SOC 130 or PSY 130	Sociology or General Psychology	ALL	COM 051; COM 061		3	

INTERIM JANUARY SESSION:

		Semester Offered	Prerequisite	Completed	Credit Hours	Final Grade
MLT 222	Clinical Urinalysis	January Interim	MLT 211; Coreq MLT 233		1	
MLT 233	Clinical Serology	January Interim	MLT 211; Coreq MLT 222		1	

FOURTH SEMESTER: SPRING

		Semester Offered	Prerequisite	Completed	Credit Hours	Final Grade
MLT 220	Clinical Hematology / Coagulation	Spring	MLT 211; Coreq. MLT 231, 221, 230		5	
MLT 231	Clinical. Microbiology	Spring	MLT 211; Coreq. MLT 231, 221, 230		4	
MLT 221	Clinical Chemistry	Spring	MLT 211; Coreq. MLT 231, 221, 230		4	
MLT 230	Clinical Blood Bank	Spring	MLT 211; Coreq. MLT 231, 221, 230		4	

NOTES:

- Meeting with the Program Director is required; the MLT program is a selective admission program after the first two semesters.
- MLT students must have a "C" or better in **all** courses in the MLT curriculum and achieve a combined math/science G.P.A. of 2.5
- No course in the Medical Laboratory Technician Program curriculum, or which is a prerequisite for a course in the curriculum, can be repeated more than once. This requirement includes any courses taken at RACC or at another institution. It also includes courses from which the student may have withdrawn or in which the student earned less than a "C" grade.
- No more than 12 credits of the Medical Laboratory Technician Program curriculum may be repeated. This includes courses taken at RACC and at other institutions. It also includes withdrawals or courses in which the student earned less than a "C" grade.