

Alamance Community College

2021 Calendar Year

Medical Laboratory Technology • Semester by Semester

The MLT curriculum consists of three phases. Each phase must be completed before progression into the next phase.

Phase 1

Phase I includes the the first two semesters of study. The courses in Phase I can be arranged in any sequence as long as specific prerequisites are met for each course. All courses in Phase I meet on the ACC Carrington-Scott Campus in Graham with the exception of MLT110, which is taught in the LabCorp Orange Drive facility in Elon.

1st Semester

Fall or Spring

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
BIO-111	General Biology I	6	4
MLT-110	Introduction to Mlt	5	3
MLT-115	Laboratory Calculations	2	2
PSY-150	General Psychology	3	3
	Semester Total	16	12

2nd Semester

Fall or Spring

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
CHM-130	General, Organic, & Biochemistry	3	3
CHM-130A	General, Organic, & Biochemistry Lab	2	1
<i>Choose one of the following:</i>			
ENG-115	Oral Communication	3	3

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
COM-231	Public Speaking (<i>* Students seeking a university transfer option should take COM231 and CHM131/131A, CHM132 sequence</i>)	3	3
	Humanities Elective	3	3
MLT-116	Anatomy & Medical Terminology	5	5
	Semester Total	16	15

Phase 2

Phase II MLT courses include the major disciplines of the clinical laboratory. These courses are taught in eight-week modules. Students enter Phase II into the module that is being offered at the time of entry and cycle through the four Phase II modules in sequence.

All Phase II modules are taught in the MLT student laboratory in the LabCorp Orange Drive facility in Elon. With the exception of the Clinical Chemistry/Urinalysis module, each course in the module is the prerequisite for the next course in the module.

Summer Term: 1 module **Fall and Spring semesters:** 2 modules each

Microbiology Module

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
MLT-140	Introduction to Microbiology	5	3
MLT-240	Special Clinical Microbiology	5	3
MLT-251	MLT Practicum I	3	1
	Module Total	13	7

Hematology / Hemostasis Module

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
MLT-120	Hematology/Hemostasis I	6	4
MLT-220	Hematology/Hemostasis II	5	3
	Module Total	11	7

Immunology / Immunohematology Module

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
MLT-126	Immunology and Serology	3	2
MLT-127	Transfusion Medicine	5	3
MLT-225	Immunochemistry II	5	3
	Module Total	13	8

Clinical Chemistry / Urinalysis Module

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
MLT-130	Clinical Chemistry I	6	4
MLT-111	Urinalysis & Body Fluids	4	2
	Module Total	10	6

Phase 3

Phase III consists of two, eight-week modules (16 total weeks) of clinical practicum at an area hospital, clinic, and/or reference laboratory. Students communicate regularly with MLT faculty to discuss progress in the clinical practicum and prepare for the certification examination.

Clinical Practicum Modules

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
MLT-266	MLT Practicum II	18	6
	Module Total	18	6

Clinical Practicum Modules

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
MLT-276	MLT Practicum III	18	6
	Module Total	18	6

	TOTAL CREDITS	67
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