**Medical Laboratory Technology Associate in Science Degree**

**Program of Study**

**Northwest Florida State College**

**Program Structure**

The Medical Laboratory Technology Program is a six-semester, 3-phase program with a total of 76 credit hours are required for graduation.

**Pre-MLT phase (28 credits):** The first and second semesters are dedicated to general education courses. These can be completed at any NWFSC campus or transferred in from another accredited institution.

**Technical Education phase (33 credits)**: Includes 8 subject-specific lab classes. These are offered in a hybrid format with both part-time and full-time options. See format section below.

**Clinical Education phase (15 credits):** Students will complete three clinical practice internships and an online capstone course. Each clinical practicum is 4 credits, equating to 240 hours. Therefore, each student will complete 720 hours of internships over the course of 2 semesters.

See pages 2 and 3 for suggested course sequencing

# Suggested Course Sequencing

**Full Time**

|  |  |  |  |
| --- | --- | --- | --- |
| **Semester** | **Course ID** | **Course Name** | **Credits** |
| **Pre-MLT Phase** |
| **Fall Semester****(Prerequisites)**  | MAC 1105ENC 1101BSC 1085C  POS 1041 **or** AMH2020 | College AlgebraEnglish Composition IAnatomy and Physiology ICore Social and Behavioral Science\* American Government **or** American History II | 3343 |
| **Total**  | **13** |
| **Spring Semester****(Prerequisites)**  | CHM 1045C, CHM 1032CBSC 1086C, BSC 1010C\_\_\_\_\_\_\_\_\_MCB 2010C | College Chemistry 1 **or**General Chemistry for Life SciencesAnatomy and Physiology II **or**Principles of Biology ICore HumanitiesMicrobiology | 4434 |
| **Total** | **15** |
| **Technical Education Phase** |
| **­­­­­­1st Semester****(Fall)** | MLT 1022CMEA 1040CMLT 1300CMLT 1401CMLT 1500C | Introduction to Medical TechnologyPhlebotomyHematology IMedical MicrobiologyImmunology/Serology | 22443  |
| **Total** | **15** |
| **2nd Semester****(Spring)**  | MLT 1302CMLT 1610CMLT 1525CMLT 1221C | Hematology IIClinical Chemistry IImmunohematologyUrinalysis and Body Fluids | 4442 |
| **Total** | **14** |
| **Clinical Education Phase** |
| **3rd Semester****(Summer)** | MLT 1440MLT 1620MLT 2800L | Mycology and ParasitologyClinical Chemistry IIClinical Practicum I | 224 |
| **Total** | **8** |
| **4th Semester****(Fall)** | MLT 2930MLT 2807LMLT 2811L | MLT Capstone (Online)Clinical practicum IIClinical practicum III | 344 |
| **Total** | **11** |
| **Total Hours** | **76** |

**\*One of these courses must be taken to fulfill the civic literacy requirement**

**Part Time**

|  |  |  |  |
| --- | --- | --- | --- |
| Semester | Course ID | Course Name | Credits |
| Technical Education Phase |
| 1st Semester(Fall) | MLT 1022CMEA 1040CMLT 1300C | Introduction to Medical TechnologyPhlebotomyHematology I | 224  |
| **Total** | **8** |
| 2nd Semester (Spring) | MLT 1610CMLT 1221C | Clinical Chemistry IUrinalysis and Body Fluids | 42 |
| **Total** | **6** |
| 3rd Semester(Fall) | MLT 1401CMLT 1500C | Medical MicrobiologyImmunology/Serology | 43 |
| **Total** | **7** |
| 4th Semester(Spring) | MLT 1302CMLT 1525C | Hematology IIImmunohematology | 44 |
| **Total** | **8** |

**Notes on Suggested Course Sequencing:**

Phlebotomy can also be taken during the Pre-MLT phase

College Algebra is a prerequisite to College Chemistry I

College Chemistry I or General Chemistry for Life Sciences is a prerequisite to Clinical Chemistry

College Algebra, College Chemistry I, Anatomy and Physiology I, and Anatomy and Physiology II (or Principles of Bio I) must be completed before taking any of the technical classes

Microbiology is a prerequisite to Medical Microbiology

Hematology I is a prerequisite to Hematology II

Immunology and Hematology I are prerequisites to Immunohematology

**Priority registration will be given to students who have completed the entire pre-MLT phase**

# Format of the Program

**Hybrid Format**

The NWFSC MLT program is a hybrid, or web-blended, program. The technical education classes will be a combination of online lectures and face-to-face labs. Students will view all of their lectures online and then come to class 1 day per week for lab.

**Technical Education Phase – Full Time Option**

Full time students will complete all 8 technical education courses in 2 semesters. Full-time students will report to lab for 1 full day/week.

**Technical Education Phase – Part Time Option**

We understand that some students may not be able to take on a full 16 or 17 credit course load in one semester. Therefore, a part-time option is available. Part time students will take 2 classes per semester for 4 semesters and will report to lab either in the morning or the afternoon 1 day/week.

**Clinical Education Phase**

The clinical education phase requires a more substantial in-person time commitment. Students will be required to commute to clinical sites (which can include travel to several counties in the regional area) and therefore must have dependable transportation. Clinical Practicums require a 5 day/week time commitment. Hours may vary between semesters and clinical sites, but students should plan to work Monday-Friday, 8:00am-5:00pm.