



Medical Laboratory Technology Associate of Applied Science (A.A.S.)

2018–2019

DESCRIPTION:

The Medical Laboratory Technology A.A.S. accredited degree program is designed to prepare graduates to perform precise diagnostic procedures in the health care setting, such as chemical analysis of clinical fluids, classification of blood cells, identification of disease producing microorganisms, and the selection of compatible donor blood for transfusion. Students who successfully complete the program are eligible to take the certification examination administered by the Board of Certification of the American Society for Clinical Pathology and become a certified MLT (ASCP). For more information, see csc.edu/academics/departments/medical-laboratory.

ADMISSION REQUIREMENTS:

Each year 24 students will be conditionally admitted to the MLT Program if the following criteria have been met: placement into CHEM 1113, BIO 2215, STAT 1350, ENGL 1100, and “No Reading Required.” All applicants, except those with a bachelor’s degree or higher, from accredited US colleges, or associates degrees from accredited Ohio colleges, must take the Reading Placement Test. Students must have a GPA of 2.5. If less than 12 credits have been completed at CSCC, the GPA from the most recently attended learning institution will be used for program admission purposes. Students must attend a mandatory MLT Program Information Session and must also attend a Mandatory Orientation Session (after receiving the conditional acceptance notification). Students may be required to complete a Basic Entrance Exam. Upon conditional admission to the MLT program, applicants will be required to complete a drug screen and background check at the student’s expense. Students who decline the offer of admission, or fail to respond to the offer, must re-apply to be considered for a future class. The student must meet the admission criteria in effect for that class.

Students are responsible for maintaining awareness of the application procedures, the admission requirements, and any changes made to those requirements. Any questions should be directed to the Medical Laboratory Technology Program office located on the third floor of Union Hall.

ONGOING REQUIREMENTS:

Once the “conditionally” admitted students have completed the following requirements, they will be fully admitted to the MLT program upon completion of: MLT 1100 Basic Concepts in Health Care with a grade of “C” or higher; MLT 1112 Lab Theory for Health Industries with a grade of “C” or higher; MLT 1113 Lab Techniques for Health Industries with a grade of “C” or higher; HIMT 1274 Intro to Medical Coding and Reimbursement with a grade of “C” or higher; and MULT 1916 Venipuncture for Health Care Providers with a grade of “C” or higher. A minimum grade of “C” or higher is required in each Basic Studies and Technical Studies Requirement. Verification of summer term financial aid is recommended.

OPPORTUNITIES FOR GRADUATES:

Career:

Career and employment opportunities include hospitals, research and reference laboratories, public health and veterinary facilities, and environmental and quality assurance laboratories. Graduates may also pursue careers in marketing, sales, and customer service for clinical laboratories.

Transfer:

With additional education and/or technical experience, graduates may also advance in the field to become a Medical Laboratory Scientist (BS), research specialist, manager, or educator.

DEGREE REQUIREMENTS (MEDICAL LABORATORY TECHNOLOGY A.A.S):

FIRST SEMESTER Courses	Term	Credits	Milestones
MLT 1100 Basic Concepts in Health Care	AU/SP/SU	2	
MLT 1112 Laboratory Theory for Health Industries (not in catalog)	AU/SU	2	
MLT 1113 Laboratory Techniques for Health Industries (not in catalog)	AU, SU	1	
BIO 1101 Fundamentals Human Anatomy & Physiology	AU/SP/SU	3	
COLS 1100 First Year Experience Seminar	AU/SP/SU	1	
HIMT 1274 Intro to Medical Coding & Reimbursement	AU/SP/SU	2	
MULT 1916 Venipuncture for Health Care Providers (includes field experience)	SP	2	• MULT 1916 provides entry-level phlebotomy skills that complement the laboratory assisting skills
First Semester Credits		13	

SECOND SEMESTER Courses	Term	Credits	Milestones/Progress Check
MLT 1110 Introduction to MLT Lecture	SU	1	
MLT 1111 Introduction to MLT Lab	SU	1	
MLT 1120 Hematology I Lecture	SU	2	
MLT 1121 Hematology I Lab	SU	2	
MLT 1140 Clinical Chemistry Lecture	AU	1	
MLT 1141 Clinical Chem Lab	AU	1	
BIO 2215 Introduction to Microbiology	AU/SP/SU	4	
CHEM 1113 Elements of Organic/Biochemistry	AU/SP/SU	4	
Semester Credits		16	

THIRD SEMESTER Courses	Term	Credits	Milestones/Progress Check
MLT 1130 Immunology Lecture	AU	1	
MLT 1131 Immunology Lab	AU	1	
MLT 2250 Body Fluids Lecture	SP	2	
MLT 2251 Body Fluids Lab	SP	1	
MLT 2260 Clinical Micro Lecture	SP	3	
MLT 2261 Clinic Micro Lab	SP	3	
ENGL 1100 Composition I	AU/SP/SU	3	
Semester Credits		14	

FOURTH SEMESTER Courses	Term	Credits	Milestones/Progress Check
MLT 2270 Immunohematology Lecture	SU	2	
MLT 2271 Immunohematology Lab	SU	2	
MLT 2280 Hematology II Lecture	SU	1	
MLT 2281 Hematology II Lab	SU	1	
MLT 2290 Med Lab Case Correlations	SU	1	• Students prepare for the clinical practicum and for the national
SBS elective (Select from approved GE-SBS list)	AU/SP/SU	3	• Transfer considerations recommended
STAT 1350 Elementary Statistics	AU/SP/SU	3	
Semester Credits		13	

FIFTH SEMESTER Courses	Term	Credits	Milestones/Progress Check
MLT 2800 MLT Clinical Seminar	AU	1	• Students prepare for career entry
MLT 2900 MLT Clinical Practicum	AU	2	
HUM elective (Select from approved GE-HUM list)	AU/SP/SU	3	• Transfer considerations recommended
COMM 2200 Business Communication	AU/SP/SU	3	
Semester Credits 9		Total 65	