



# Medical Laboratory Technology

SEWARD COUNTY COMMUNITY COLLEGE

Medical Laboratory Technicians (MLTs) work together with a team of pathologists, physicians, and specialists to determine the presence, extent or absence of disease and provide data needed to evaluate the effectiveness of treatment. MLTs must be accurate, reliable, have an interest in science and be able to recognize their responsibility for human lives. The laboratory procedures performed by MLTs use an array of complex precision instruments and a variety of automated and electronic equipment. The SCCC MLT program is offered in an online format only.

## Career Opportunities

The medical technology profession is currently experiencing a critical personnel shortage. The projected percent change in employment from 2014-2024 is 16% (faster than average). The median annual salary for MLTs was \$49,310 or \$23.71/hour in April 2016. ([www.bls.gov](http://www.bls.gov)).

## Degree Options

Individuals interested in a medical laboratory career may direct their goals to one of many levels of education. Seward County Community College offers an Associate in Applied Science degree in MLT. Laboratory personnel may advance by acquiring additional education to progress to the baccalaureate Medical Laboratory Scientist (MLS) level.

## Advising

Your SCCC MLT program advisor will help you plan your course of study and outline the specific requirements for completion of the associate of applied science or associate of science degree. You need to contact the Admissions Office to visit the campus and to meet with an advisor at the time of your visit.

## Facilities

SCCC provides a medical technology laboratory for students to gain experience in the psychomotor skills required for the program. Online students will also require the cooperation of a full service accredited clinical laboratory in the student's geographic region.

## Program Outcomes

- MLT graduates will demonstrate an average of at least 75% pass rate on the Board of Certification exam as calculated by the most recent three-year period. For 2015-2018, the SCCC MLT graduate certification exam pass rate is 71%.
- At least 70% of students who have begun the final half of the MLT program will successfully graduate from the program as calculated by the most recent three-year period. For 2015-2018, the graduation rate for SCCCS MLT students is 92%.
- MLT graduates will demonstrate an average of at least 70% employment placement rate either through employment in the field or closely related field or continue their education within one year of graduation as calculated by the most recent three-year period. For 2015-2018, the employment placement rate is 95%.

## Admissions Procedures

- Obtain admission forms from the MLT program coordinator or clinical coordinator.
  - Obtain three letters of reference.
  - Submit official high school transcript or GED scores.
  - Submit official college transcript(s), if applicable.
  - Schedule an interview with the Financial Aid Director.
  - Schedule an interview with the MLT program coordinator or clinical coordinator.
  - Wait for a letter from the Allied Health Admission Committee regarding status of application.
- Applicants should apply beginning November 1. SCCC accepts a class annually, with classes beginning in August. Selection criteria and procedures for the Medical Laboratory Technician program are available to all prospective applicants. Applications are accepted until the program is full.

## Accreditation

Graduates of the SCCC MLT program are eligible to sit for the ASCP Board of Certification exam. The SCCC MLT program is accredited by the:  
National Accrediting Agency for Clinical Laboratory Sciences  
5600 N. River Road, Suite 720, Rosemont, IL 60018  
Ph. 773-714-8880      [www.naacls.org](http://www.naacls.org)

## Program Contact

**Dr. Suzanne Campbell, MLS (ASCP)<sup>CM</sup>**  
**Dean of Allied Health, MLT Program Director**  
620-417-1403 | [suzanne.campbell@scc.edu](mailto:suzanne.campbell@scc.edu)

**Main Office**  
[go.sccc.edu/AlliedHealth](http://go.sccc.edu/AlliedHealth)  
620-417-1401



# Degree Requirements

## SEWARD COUNTY COMMUNITY COLLEGE

**Type of Award:** Associate of Applied Science

<b>Total General Education Requirements</b>		<b>34</b>
<b>Fall Semester</b>		<b>Credit Hours</b>
CH1505 College Chemistry I		5
BI2115 Anatomy/Physiology		5
MA1103 Intermediate Algebra		3
MT1203 Introduction to Medical Technology (fall semester, online only)		3
<b>Spring Semester</b>		
BI2705 General Microbiology		5
MT1304 Phlebotomy (spring semester, online only)		4
EG1103 English Comp I		3
MT1903 Basic Immunology (spring semester, online only)		3
<b>Summer Semester</b>		
SP1203 Public Speaking		3
<b>Total Core Emphasis Requirements (online only)</b>		<b>34</b>
<b>Fall Semester</b>		
MT2206 MLT Hematology and Coagulation – Lecture & Lab		6
MT2406 MLT Clinical Chemistry – Lecture & Lab		6
MT2703 MLT Urinalysis and Body Fluids – Lecture & Lab		3
<b>Spring Semester</b>		
MT2306 MLT Pathogenic Microbiology – Lecture & Lab		6
MT2506 MLT Immunohematology – Lecture & Lab		6
<b>Summer Semester</b>		
MT2907 MLT Clinical Practicum		7
<b>Total Associates of Applied Science Degree Requirements</b>		<b>68</b>

### Essential Functions

The following list of physical capabilities and behavioral skills have been identified as being necessary for success in the field of laboratory medicine:

#### Visual Observation:

Visual observation must be sufficient and adequate to allow students to:

- (1) Differentiate color changes during performance of laboratory procedures; (2) observe patient's condition during phlebotomy procedures; and (3) read lab instrument technical procedure manuals, standard operating procedures, and a patient's chart.

#### Motor Function:

Motor functions must be sufficient and adequate to allow students to:

- (1) Perform venipuncture at patient's bedside or at other designated locations; (2) lift and handle laboratory instruments and equipment; and (3) manipulate medical laboratory instruments and equipment in a manner consistent with standards of medical laboratory practice.

#### Communication:

- (1) Demonstrate proficiency of the English language both orally and in writing. NOTE: Per institutional policy, ESL students may be required to take the TOEFEL and submit scores to the MLT Program Coordinator; and (2) possess verbal and written skills adequate for transmitting information to co-workers and patients.

#### Behavior and Social Skills:

The student's behavior and social skills must be acceptable to an academic and clinical setting.

#### Critical Thinking Skills:

The student must possess critical thinking ability sufficient to an academic and clinical setting.

Revised February 2020

#### POLICY OF NODISCRIMINATION

Applicants for admission and employment, students, employees, sources of referral of applicants for admission and employment, and all unions or professional organizations holding collective bargaining or professional agreements with Seward County Community College are hereby notified that this institution does not discriminate on the basis of race, religion, color, national origin, gender age, or disability in admission or access to, or treatment or employment in, its programs and activities. Any person having inquiries concerning Seward County Community College's compliance with the regulations implementing Title VI, Title IX, or Section 504 is directed to contact Mr. Dennis M. Sander, PO Box 1137, 1801 N Kansas, Liberal, Kansas, 620.624.1951. Mr. Sander has been designated by Seward County Community College to coordinate the institution's effort to comply with the regulations implementing Title VI, Title IX, and Section 504. Any person may also contact the Assistant Secretary for Civil Rights, U.S. Department of Education, regarding the institution's compliance with the regulations implements Title VI, Title IX, or Section 504.