



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 2021-2031 is 7% (as fast as average www.bls.gov). The annual salary for recent SCCC MLT graduates is \$51,230 or \$24.63/hour (Sept 2022).

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 degree.

Facilities

SCCC MLT student laboratory and clinical practicum require an affiliation agreement with an accredited full service clinical laboratory – preferably a hospital laboratory for students to gain experience in the psychomotor skills required for the program. **Clinical affiliate documents must be fully executed by July 1 of the year students will begin the MLT courses. Those are two of the first year courses and all of second year courses.**

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. 2021 3/3 100%. 2022 3/5 60%. 2023 14/14 100%. For 2021-2023, the SCCC MLT graduate certification exam pass rate is 91%.
- 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. 2021 3/3 100%. 2022 5/6 83%. 2023 14/16 88%. For 2021-2023, the graduation rate for SCCCS MLT students is 88%.
- 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. 2021 3/3 100%. 2022 3/5 60%. 2023 14/14 100%. For 2021-2023, the employment placement rate is 91%.

Admissions Procedures

Obtain admission forms from the Allied Health Division.

- 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 MLT program faculty.
- Wait for an email from the Allied Health Admission Committee regarding status of admission.

Applicants should apply beginning November 1. SCCC accepts a class annually, with classes beginning in August. Selection criteria and procedures for the Medical Laboratory Technology program are available to all prospective applicants. Applications are accepted until July 1 of each year.

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

Program Contact

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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.



Degree Requirements

SEWARD COUNTY COMMUNITY COLLEGE

Type of Award: Associate of Applied Science

Total General Education Requirements		34
Fall Semester		Credit Hours
CH1505 College Chemistry I with Lab (SGE) ⁽⁰⁴⁰⁾		5
BI2115 Anatomy/Physiology with Lab (SGE) ⁽⁰⁴⁰⁾		5
MA1103 Intermediate Algebra (SGE) ⁽⁰³⁰⁾		3
MT1203 Introduction to Medical Technology (fall semester, online only)		3
Spring Semester		
BI2705 Microbiology with Lab (SGE) ⁽⁰⁴⁰⁾		5
MT1312 Phlebotomy (spring semester, online only)		4
EG1103 English Comp I (SGE) ⁽⁰¹⁰⁾		3
MT1903 Basic Immunology (spring semester, online only)		3
Summer Semester		
SP1203 Oral Communication (SGE) ⁽⁰²⁰⁾		3
Total Core Emphasis Requirements (online only)		34
Fall Semester		
MT2206 MLT Hematology and Coagulation – Lecture & Lab		6
MT2406 MLT Clinical Chemistry – Lecture & Lab		6
MT2703 MLT Urinalysis and Body Fluids – Lecture & Lab		3
Spring Semester		
MT2306 MLT Pathogenic Microbiology – Lecture & Lab		6
MT2506 MLT Immunohematology – Lecture & Lab		6
Summer Semester		
MT2907 MLT Clinical Practicum		7
Total Associates of Applied Science Degree Requirements		68

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.

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