



Clover Park Technical College

MEDICAL LABORATORY TECHNICIAN

Student Handbook

2020-21

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WELCOME

Dear Medical Laboratory Technician Student:

Welcome to the Medical Laboratory Technician (MLT) Program at Clover Park Technical College! It is a pleasure to count you as one of our talented and committed students embarking on your journey to become part of the proud community of laboratory professionals.

The qualified and experienced faculty and staff at Clover Park Technical College are committed to providing you with the best possible education. During your time as a student in the MLT Program, you will face many challenges and numerous opportunities for learning and growth. It is by actively participating in this learning process that you will attain your goal of becoming a graduate of the Clover Park Technical College MLT Program and eligible to become a certified Medical Laboratory Technician.

We wish you much success as you begin this new educational experience!

MLT PROGRAM OFFICIALS

Program Director: Terry Kotrla, MS, MT(ASCP)BB
512-560-5361
terry.kotrla@cptc.edu

Faculty: Damaris Colon-Gabriel, MT(ASCP)
Phone: 253-589-5625
Email: damaris.colon@cptc.edu

Dean: Michelle Hillesland, MS, LMP, Dean for Health and Human Services
Phone: 253-589-5586
Email: michelle.hillesland@cptc.edu

STUDENT HANDBOOK OVERVIEW

The Medical Laboratory Technician (MLT) Student Handbook is intended to provide students with detailed policies and procedures specific to this program which will be used in the classroom, laboratories and the clinical rotations. Please read the MLT Student Handbook carefully and ask your instructor for clarification of any policies or procedures that are unclear. The Medical Laboratory Technician Program reserves the right to alter, add, or delete any statement or policy without prior notice. Students will receive revisions as they occur. Students will be required to sign an acknowledgment form and upload it into CastleBranch. Please keep this Handbook in a safe place for easy reference.

The handbook is constructed to be used as a supplement to the Clover Park Technical College Student Handbook and serves to bridge the overriding policies of the College with the policies specific to this program. The policies and procedures set forth in this handbook are designed to support the success of the student.

The Clover Park Technical College (CPTC) Catalog, website, and CPTC Student Handbook contain additional information on all services available at CPTC and should be used by students to obtain full knowledge of all policies and procedures. A copy of the Clover Park Technical College Student Handbook is available at each campus or may be downloaded from the CPTC website at: <http://www.cptc.edu/communication/publications> .

ACCREDITATION

Clover Park Technical College is accredited by the Northwest Commission on Colleges and Universities, <http://www.nwccu.org/>

The Medical Laboratory Technician Program is accredited by the National Accrediting Agency for Clinical Laboratory Science (NAACLS), 5600 North River Rd. Suite 720, Rosemont, IL 60018 (telephone 773-714-8880), <http://www.naacls.org/>).

NONDISCRIMINATION

Clover Park Technical College provides equal opportunity and access in education and employment and does not exclude, deny benefits to, or otherwise discriminate against any person on the basis of race, ethnicity, creed, color, sex, gender, gender identity, citizenship status, national origin, age, marital status, religious preference, the presence of any sensory, mental or physical disability, reliance on public assistance, sexual orientation, veteran status, political opinions or affiliations, or genetic information under any of its programs, activities or services. <http://www.cptc.edu/non-discrimination>

DESCRIPTION OF THE LABORATORY PROFESSION

The health of all Americans depends upon the educated minds and trained hands of the medical laboratory professional. The practice of modern medicine at the exacting standards currently required would be impossible without the scientific testing performed daily in the medical laboratory. Maintenance of these standards and progress toward improvement in the quality of laboratory services depends on the dedicated efforts of professional practitioners of medical laboratory science. Through their dedication, the medical laboratory professionals of the United States make a vital contribution to the quality of health care.

The medical laboratory professional is qualified by academic and applied science education to provide service and research in laboratory science and related areas in rapidly changing and dynamic healthcare delivery systems. Clinical laboratory professionals perform, develop, evaluate, correlate and assure accuracy and validity of laboratory tests; direct and supervise clinical laboratory resources and operations; and collaborate in the diagnosis and treatment of patients. The medical laboratory professional has diverse and multi-level functions in the areas of analysis and clinical decision-making, information management, regulatory compliance, education, quality assurance and performance improvement wherever laboratory testing is researched, developed or performed. Medical laboratory professionals possess skills for financial, operations, marketing, and human resource management of the clinical laboratory. Medical laboratory professionals practice independently and collaboratively, being responsible for their own actions, as defined by the profession. They have the requisite knowledge and skills to educate laboratory professionals, other health care professionals, and others in laboratory practice as well as the public.

The ability to relate to people, a capacity for calm and reasoned judgment and a demonstration of commitment to the patient are essential qualities. Communications skills extend to consultative interactions with members of the healthcare team, external relations, customer service and patient education. Laboratory professionals demonstrate ethical and moral attitudes and principles that are necessary for gaining and maintaining the confidence of patients, professional associates, and the community.

All medical laboratory professionals are expected to become active members of their national professional organizations, the American Society for Clinical Laboratory Science (ASCLS) and the American Society of Clinical Pathology (ASCP). It is through professional organization that laboratorians can control the destiny of their profession.

Students will be required to join ASCP and are strongly encouraged to join ASCLS. ASCP membership is free and applications are available at <https://www.ascp.org>. Information on becoming an ASCLS member, along with applications, can be obtained at: <https://www.ascls.org/membership>. The fee for joining ASCLS is \$25.00.

MLT PROGRAM MISSION STATEMENT

To provide students with entry level skills needed for employment in the medical laboratory profession as a Medical Laboratory Technician and for success on national certification exams.

The Medical Laboratory Technician program of Clover Park Technical College will strive to be an exemplary program graduating highly qualified individuals to fill the employment needs of clinical laboratories. The Program is committed to serving students and the medical laboratory community through guidance, excellent academic instruction and professional training utilizing traditional and innovative means while understanding the cultural diversity of individuals, maintaining a student-centered philosophy, striving to make wise use of community and educational resources and materials, continuing an ongoing process of self-evaluation and self-renewal, and maintaining an outstanding accreditation rating.

The Medical Laboratory Technician program is committed to providing its students with a basic general education as well as presenting the opportunity for the student to develop specific skills in the Associate of Applied Technology (AAT) degree program which will prepare the graduate for employment in the medical laboratory field. The faculty and staff of the Medical Laboratory Technician program are committed to assisting the student toward the greatest academic, personal, and professional potential through quality courses and instruction.

The Medical Laboratory Technician Program, with the assistance of its clinical affiliate laboratories, is committed to providing quality didactic and clinical instruction, encompassing the cognitive, psychomotor, and affective domains of learning, to prepare its graduates to work upon career entry as competent medical laboratory technicians in health care facilities. The program is committed to meeting the employment needs of medical laboratories and to providing quality continuing education to laboratory professionals in our service area.

Through rigorous coursework, and clinical laboratory experience, students will be provided with the education and training they need to achieve the basic skills to enter the workforce directly or, if they choose, gain entry to other institutions of higher learning to augment their skills.

PROGRAM GOALS

The overall goal of the Medical Laboratory Technician Program is to provide a quality education to the student, affording a level of proficiency and competence required for entry-level practitioners in the modern clinical laboratory. To that end, the specific goals of the program include the following:

- Provide students with a high quality academic and clinical education in the field of Medical Laboratory Science.
- Instruct students in the procedures, analyses and interpretation of laboratory tests so that they can perform laboratory tests competently, problem solve and think critically.
- Ensure that students are competent at the career entry level and have the knowledge and background to successfully prepare them for employment and successful certification.
- Cultivate communication skills that provide for effective and professional interactions with patients, peers, and other healthcare providers.
- Create an understanding of the student's function as part of a team and their role in the healthcare system.
- Generate in students an understanding of the importance of continuing education and professional awareness.
- Instill the importance of honesty, integrity, ethical behavior and professionalism in the workplace.
- Maintain accreditation of the program through the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

ENTRY LEVEL COMPETENCIES

At entry level, the medical laboratory technician will possess the entry level competencies necessary to perform routine clinical laboratory tests in areas such as Clinical Chemistry, Hematology/Hemostasis, Immunology, Immunochemistry/Transfusion medicine, Microbiology, Urine and Body Fluid Analysis, and Laboratory Operations.

The level of analysis ranges from waived and point of care testing to complex testing encompassing all major areas of the clinical laboratory. The medical laboratory technician will have diverse functions in areas of pre-analytical, analytical, post-analytical processes. The medical laboratory technician will have responsibilities for information processing, training, and quality control monitoring wherever clinical laboratory testing is performed.

At entry level, the medical laboratory technician will have the following basic knowledge and skills in:

- A. Application of safety and governmental regulations compliance;
- B. Principles and practices of professional conduct and the significance of continuing professional development;
- C. Communication sufficient to serve the needs of patients, the public and members of the health care team.

Upon graduation and initial employment, the medical laboratory technician should be able to demonstrate entry-level competency in the areas of professional practice listed below:

1. Recognize and resolve issues caused by pre-analytical, analytical and post-analytical components of involved with laboratory testing.
2. Collecting and processing biological specimens for analysis;
3. Performing analytical tests on body fluids, cells, and products;
4. Recognizing factors that affect procedures and results, and taking appropriate actions within predetermined limits when corrections are indicated;
5. Monitoring quality control within predetermined limits;
6. Performing preventive and corrective maintenance of equipment and instruments or referring to appropriate source for repairs;
7. Demonstrating professional conduct and interpersonal communication skills with patients, laboratory personnel, other health care professionals, and with the public;
8. Recognizing the responsibilities of other laboratory and health care personnel and interacting with them with respect for their jobs and patient care;
9. Applying basic scientific principles in learning new techniques and procedures;
10. Relating laboratory findings to common disease processes;
11. Recognizing and acting upon individual needs for continuing education as a function of growth and maintenance of professional competence.

ESSENTIAL FUNCTIONS OF A MEDICAL LABORATORY TECHNICIAN

MLT programs establish technical standards and essential functions to ensure that students have the abilities required to participate and potentially be successful in all aspects of the respective programs. Students are required to meet technical standards and essential functions for the MLT program as indicated below. Satisfactory completion of the MLT Program and successful employment following graduation demands your ability to meet the following requirements, with or without reasonable accommodations. If you are uncertain as to your ability to perform any of these essential functions, please consult with the MLT Program director.

1. **Observational** - Ability to participate actively in all demonstrations, laboratory activities and clinical experiences in the professional program component. Such observation and information require functional use of visual, auditory and somatic sensations.
 - a. Observe laboratory demonstrations in which biological (i.e., body fluids, culture materials, tissue sections, and cellular specimens) are tested for their biochemical, hematological, immunological, and histochemical components.
 - b. Characterize the color, odor, clarity, and viscosity of biological, reagents, or chemical reaction products.
 - c. Employ a clinical grade binocular microscope to discriminate among fine structural and color (hue, shading, and intensity) differences of microscopic specimens.
 - d. Read and comprehend text, numbers, and graphs displayed in print and on a video monitor.

2. **Movement** - Sufficient motor ability to execute the movement and skills required for safe and effective performance of duties.
 - a. Move freely and safely about a laboratory.
 - b. Reach laboratory bench tops and shelves, patients lying in hospital beds or patients seated in specimen collection furniture.
 - c. Travel to numerous clinical laboratory sites for practical experience
 - d. Perform moderately taxing continuous physical work, often requiring prolonged sitting or standing, over several hours.
 - e. Maneuver phlebotomy and culture acquisition equipment to safely collect valid laboratory samples.
 - f. Possess finger and manual dexterity necessary to control laboratory equipment (i.e. pipettes, inoculating loops, test tubes) and adjust instruments to perform laboratory procedures.
 - g. Use a computer keyboard to operate laboratory instruments and to calculate, record, evaluate, and transmit laboratory information.
 - h. Ability to lift 40 pounds.
3. **Communication** - Ability to communicate effectively in English using verbal, non-verbal and written formats with faculty, other students, clients, families and all members of the healthcare team.
 - a. Read and comprehend technical and professional materials (i.e. textbooks, magazine and journal articles, handbooks, and instruction manuals).
 - b. Follow verbal and written instructions in order to correctly and independently perform laboratory test procedures.
 - c. Clearly instruct patients prior to specimen collection.
 - d. Effectively, confidentially, and sensitively converse with patients regarding laboratory tests.
 - e. Communicate with faculty members, fellow students, staff, and other health care professionals verbally and in a recorded format (writing, typing, graphics, or telecommunication).
 - f. Transmit information to clients, fellow students, faculty and staff, and members of the healthcare team
 - g. Independently prepare papers, prepare laboratory reports, and take paper, computer, and laboratory practical examinations.
4. **Intellectual** - Ability to collect, interpret and integrate information and make decisions.
 - a. Possess intellectual skills: comprehension, measurement, mathematical calculation, reasoning, integration, analysis, comparison, self-expression, and criticism.
 - b. Be able to exercise sufficient judgment to recognize and correct performance deviations.
 - c. Apply knowledge to new situations and to problem solving scenarios.
5. **Behavioral** - Possess the emotional health and stability required for full utilization of the student's intellectual abilities, the exercise of professional judgment, the prompt completion of all academic and patient care responsibilities and the development of mature, sensitive and effective relationships with faculty, fellow students, clinical instructors, patients and other members of the healthcare team.
 - a. Manage heavy academic schedules and deadlines.
 - b. Be able to manage the use of time and be able to systemize actions in order to complete professional and technical tasks within realistic constraints.
 - c. Be able to manage the use of time and be able to systemize actions in order to complete professional and technical tasks within realistic constraints.
 - d. Possess the emotional health necessary to effectively employ intellect and exercise appropriate judgment under conditions of physical and emotional stress.

- e. Be able to provide professional and technical services while experiencing the stresses of task-related uncertainty (i.e. ambiguous test ordering, ambivalent test interpretation), emergent demands (i.e. "stat" test orders), and a distracting environment (i.e. high noise levels, crowding, complex visual stimuli).
- f. Be flexible and creative and adapt to professional and technical change.
- g. Recognize potentially hazardous materials, equipment, and situations and proceed safely in order to minimize risk of injury to patients, self, and nearby individuals.
- h. Adapt to working with unpleasant biological specimens.
- i. Support and promote the activities of fellow students and of health care professionals. Promotion of peers helps furnish a team approach to learning, task completion, problem solving, and patient care.
- j. Be honest, compassionate, ethical and responsible and accept responsibility and accountability for one's own actions.
- k. Be forthright about errors or uncertainty.
- l. Be able to critically evaluate his or her own performance, accept constructive criticism, and look for ways to improve performance (i.e. participate in enriched educational activities). The student must be able to evaluate the performance of fellow students and tactfully offer constructive comments.
- m. Works with Cultural Diversity: Works well with men and women and with a variety of ethnic, social, or educational backgrounds.

Adapted from: *Fritsma, G.A., Fiorella B. J., and Murphey, M. Essential Requirements for Clinical Laboratory Science. CLS 1996. Vol. 9, pp 40-43*

ASCLS CODE OF ETHICS

PREAMBLE

The Code of Ethics of the American Society for Clinical Laboratory Science sets forth the principles and standards by which Medical Laboratory Professionals and students admitted to professional education programs practice their profession.

I. DUTY TO THE PATIENT

Medical Laboratory Professionals' primary duty is to the patient, placing the welfare of the patient above their own needs and desires and ensuring that each patient receives the highest quality of care according to current standards of practice. High quality laboratory services are safe, effective, efficient, timely, equitable, and patient-centered. Medical Laboratory Professionals work with all patients and all patient samples without regard to disease state, ethnicity, race, religion, or sexual orientation. Medical Laboratory Professionals prevent and avoid conflicts of interest that undermine the best interests of patients.

Medical Laboratory Professionals are accountable for the quality and integrity of the laboratory services they provide. This obligation includes maintaining the highest level of individual competence as patient needs change yet practicing within the limits of their level of practice. Medical Laboratory Professionals exercise sound judgment in all aspects of laboratory services they provide. Furthermore, Medical Laboratory Professionals safeguard patients from others' incompetent or illegal practice through identification and appropriate reporting of instances where the integrity and high quality of laboratory services have been breached.

Medical Laboratory Professionals maintain strict confidentiality of patient information and test results. They safeguard the dignity and privacy of patients and provide accurate information to patients and other health care professionals. Medical Laboratory Professionals respect patients' rights to make decisions regarding their own medical care.

II. DUTY TO COLLEAGUES AND THE PROFESSION

Medical Laboratory Professionals uphold the dignity and respect of the profession and maintain a reputation of honesty, integrity, competence, and reliability. Medical Laboratory Professionals contribute to the advancement of the profession by improving and disseminating the body of knowledge, adopting scientific advances that benefit the patient, maintaining high standards of practice and education, and seeking fair socioeconomic working conditions for members of the profession.

Medical Laboratory Professionals accept the responsibility to establish the qualifications for entry to the profession, to implement those qualifications through participation in licensing and certification programs, to uphold those qualifications in hiring practices, and to recruit and educate students in accredited programs to achieve those qualifications.

Medical Laboratory Professionals establish cooperative, honest, and respectful working relationships within the clinical laboratory and with all members of the healthcare team with the primary objective of ensuring a high standard of care for the patients they serve.

III. DUTY TO SOCIETY

As practitioners of an autonomous profession, Medical Laboratory Professionals have the responsibility to contribute from their sphere of professional competence to the general wellbeing of society. Medical Laboratory Professionals serve as patient advocates. They apply their expertise to improve patient healthcare outcomes by eliminating barriers to access to laboratory services and promoting equitable distribution of healthcare resources.

Medical Laboratory Professionals comply with relevant laws and regulations pertaining to the practice of Clinical Laboratory Science and actively seek, to change those laws and regulations that do not meet the high standards of care and practice.

PLEDGE TO THE PROFESSION

As a Medical Laboratory Professional, I pledge to uphold my duty to Patients, the Profession and Society by:

- Placing patients' welfare above my own needs and desires.
- Ensuring that each patient receives care that is safe, effective, efficient, timely, equitable and patient-centered.
- Maintaining the dignity and respect for my profession.
- Promoting the advancement of my profession.
- Ensuring collegial relationships within the clinical laboratory and with other patient care providers.
- Improving access to laboratory services.
- Promoting equitable distribution of healthcare resources.
- Complying with laws and regulations and protecting patients from others' incompetent or illegal practice
- Changing conditions where necessary to advance the best interests of patients.

Reference: <https://www.ascls.org/about-us/code-of-ethics>

PROGRAM DESCRIPTION

The curriculum includes general core required courses for the degree: English 101, college level math, social science or humanities course that meets the diversity requirement, College 102, Computer Literacy, and any Biology and Chemistry with Lab with a grade with a grade of C (2.0) or higher. The professional MLT courses consist of theory as well as routine laboratory procedures and tasks in the areas of Phlebotomy, Hematology, Hemostasis, Immunology, Clinical Chemistry, Microbiology, Immunohematology, Urinalysis, and Body Fluids. Each clinical rotation will have a set list of competencies which all students must master to successfully complete the program.

The clinical experience of the Program is in the last two quarters. Students rotate through each of the major laboratory departments which provide the first major contact with the real world of laboratory work. In order to progress to the practicum, the student must have completed all previous courses, maintaining a score of 75% or higher in all courses. ***Students are not allowed to perform clinical rotations if they have not completed all immunization requirements prior to the end of Spring quarter and/or has a negative background check***

Students are typically assigned to one clinical facility for the entire practicum but may require rotations through additional clinical sites to complete all disciplines. The student experiences at the affiliates are equivalent with the same learning objectives and competencies being used at each clinical site.

Creating the clinical schedule is very challenging due to some rotations not being offered at every hospital. We attempt to take student issues into consideration but students CANNOT change their rotation schedule.

The purpose of the practicum is to focus on the application of principles and to broaden and refine clinical skills to the point of producing competent, productive employees. The clinical instructors do not give formal lectures during the practicum as this information was provided in the on campus MLT course work. Their focus is to complete your training to achieve entry-level competence. The CPTC program faculty will communicate regularly with the clinical sites, via phone or email, and make regular site visits to monitor student progress.

ADMISSION AND PROGRAM REQUIREMENTS

Clover Park Technical College is committed to an open admission policy. This policy offers the opportunity to enroll to those who have earned a high school diploma, a GED or an associate degree or higher and who express a desire to pursue a college education to enroll in a degree program. Students must apply for admission and be accepted to the College. Students choosing this option are referred to as “degree-seeking students.”

Admission to the Medical Laboratory Technician Program

To be considered for admission to the program prospective students must:

1. Possess a high school diploma or high school equivalency diploma.
2. Submit an application to the college.
3. Meet the prerequisites for college-level reading, writing and math.
4. Speaking, understanding and writing the English language are required.
5. Documentation of successful completion of college-level Biology and Chemistry courses that includes laboratories and have received a “B” (3.0) or better in those courses within the last 5 years unless the course was part of an earned bachelor’s degree.
6. Successfully pass a color blindness test given prior to entering the program.
7. To participate in the clinical aspect of the program, students must:
 - a. Receive a “No Record on File” report related to Crimes Against Persons from the US Nationwide, and from Washington State Patrol. ***The student is not allowed to perform the clinical rotation with a negative background check.***
 - b. All students must have current immunizations or laboratory verification of immune status. This includes but is not limited to; Measles/Mumps/Rubella (MMR), Varicella (Chicken Pox), Hepatitis B series and titer, Tetanus/Diphtheria/Pertussis (Tdap), and as required by contracts with clinical facilities and CDC recommendations. Students must provide documentation of a negative 2-step Tuberculosis skin tests or documentation of past negative 2 step test PLUS all subsequent annuals which must have been performed within 12 months of each other. ***Proof of immunizations is required by the last day of class in spring quarter, without exception.*** Submit documentation of the Influenza vaccination for the current flu season in the fall quarter, or when the current flu shot is available before clinical rotations begin, please check with the instructor before acquiring the influenza vaccine.
 - c. Have CPR certification from the American Heart Association with the designation “Health Care Provider” is required prior to the end of Spring quarter. *(We only accept the certification from American Heart Association).*

- d. Carry personal health/medical insurance throughout their clinical rotations. Quarterly based insurance for students may be purchased; further information is available through the advising and counseling office.

Admission Process – Registering for Courses.

1. Selection is on a first come, first served basis. The first 14 students who register for the course are admitted to the program.
2. The class maximum is 14 students, but the class size may be less depending upon how many clinical sites that we have that year. The first qualified students are accepted into the program.
3. All students who have successfully registered must attend a mandatory MLT orientation session two weeks before classes start. Those students who do not attend will be removed from the courses and their spot will be opened up for a new applicant.
4. The Program will start in the Spring Quarter of the year of acceptance.

PROGRAM LENGTH

Students are required to complete general education, biology and chemistry courses prior to being eligible to register for any MLT course. These are listed in the degree plan. The total time required to complete the degree is typically five college quarters. The MLT specific courses are taken over four quarters. Once admitted, all MLT courses must be taken in the prescribed sequence to progress through the Program.

TIME COMMITMENT

Once a student enters the MLT portion of the degree, time commitment and discipline are essential for success. The MLT program is a hybrid program which means that some of the days students will meet face to face, and on other days the students will be required to perform activities from at home. The student is in class four days a week. It is crucial to develop a daily schedule which incorporates class, homework, reading and studying. A general rule of thumb for college classes is that you should expect to study at least 2 - 3 hours per week outside class for **each unit of credit**. Please visit https://www.umflint.edu/advising/surviving_college or for a downloadable PDF https://www.jeffreybennett.com/pdf/How_to_Succeed_general.pdf "Surviving College" to assist you in creating a class study schedule.

MEDICAL LABORATORY TECHNICIAN DEGREE PLAN

Prerequisites: High school diploma or equivalent. A grade of C (2.0) or higher for college-level Biology and Chemistry (with labs) if completed at another institution UNLESS student has an earned degree.					
REQUIRED GENERAL EDUCATION REQUIREMENTS					
Courses	Hours				Credits
	Lecture	Lab	Other	Total	
Any 100-level math class.	55			55	5
ENGL& 101 English Composition or CMST& 220 (or higher)	55			55	5
Humanities course which meets diversity requirement.	55			55	5
COLL 102 College Success for All	30			30	3
Computer Literacy Requirement				30	3
TOTAL				195	21
QUARTER 1 SPRING					
Courses	Hours				Credits
	Lecture	Lab	Other	Total	
MLT 110 Intro to the Laboratory	21	9		30	2
MLT 209 Phlebotomy/Processing	34	20		54	4
MLT 205 Hematology	92	40		132	11
MLT 207 Hemostasis	33	20		53	4
MLT 211 Immunology	40	20		60	5
TOTAL				329	26
QUARTER 2 SUMMER					
Courses	Hours				Credits
	Lecture	Lab	Other	Total	
MLT 228 Clinical Chemistry	60	24		84	7
MLT 217 Microbiology	80	40		120	10
MLT 215 Immunohematology	40	20		60	5
TOTAL				264	22
QUARTER 3 FALL					
Courses	Hours				Credits
	Lecture	Lab	Other	Total	
MLT 218 Urinalysis	40	20		60	3
MLT 220 Clinical Blood Banking	40	40		80	6
MLT 233 Clinical Experience I	10		296	306	10
MLT 222 Body Fluids	12	20		32	2
TOTAL				478	21
QUARTER 4 WINTER					
Courses	Hours				Credits
	Lecture	Lab	Other	Total	
MLT 237 Clinical Experience II	20		172	192	8
MLT 239 Clinical Experience III	20	2.5	172	194.5	8
TOTAL				386.5	16
MLT Program hours and credits				1935.5	106
General Education hours and credits				225	21
Total Degree hours and credits				2160.5	127

PROGRAM PROGRESSION

To successfully progress in the program the student must:

1. Complete general education, biology and chemistry courses before beginning the MLT courses in the program.
2. Be enrolled in all co-requisite MLT courses at the same time.
3. Achieve a minimum grade of C (2.0) or higher in all college level course work and 75% or higher in MLT courses. If Biology and/or Chemistry were taken at another institution a grade of B- or higher is required unless part of an earned degree.
4. Satisfactorily meet course objectives.
5. Demonstrate entry-level competency in all required skills.
6. Pass the Exit Exam given at the end of the final semester. This exam is "pass/fail". Those students who do not pass the exam will receive a failing grade in the clinical course, regardless of whether the grade is passing, and will not be eligible to graduate.

Students who successfully complete all requirements for the degree will be awarded an Associate of Applied Technology degree (AAT) in Medical Laboratory Technology and will be eligible to sit for the national certification exam.

PROGRESSIVE DISCIPLINE POLICY

The faculty are committed to assisting students to be successful in the program. Therefore, MLT students who are not meeting course objectives in class, clinical or lab will be apprised of their performance status using the progressive discipline process, which is outlined in the CPTC Student Handbook under Student Conduct.

Disciplinary Warning

An oral statement to a student that there is a violation, and that any further violation, may be cause for further disciplinary action. Although verbal, the student conduct officer should make a record of the warning. The respondent cannot appeal a disciplinary warning.

Written Disciplinary Reprimand

A written notice informing a student that he/she has violated one or more terms of the code of conduct and that further misconduct involving the same or similar behavior may result in the imposition of a more severe disciplinary sanction.

Disciplinary Probation

A written notice placing specific term(s) and condition(s) upon the student's continued attendance at the college. Disciplinary probation may be for a limited period of the time or for the duration of the student's attendance at the college.

Disciplinary Probation

Temporary revocation of enrollment and termination of student status for a stated period of time. The student may be prohibited from coming onto any college facility and may be subject to law enforcement action for criminal trespass for violating that prohibition. There will be no refund of tuition or fees for the quarter in which the action is taken.

Dismissal

Revocation of enrollment and of all rights and privileges of membership in the college community, and exclusion from college facilities, without any time limitation. There will be no refund of tuition or fees for the quarter in which the action is taken. The student may be subject to law enforcement action for criminal trespass for violating that exclusion. A dismissal may be subsequently ended only by written decision of the president, for documented good cause

PROGRAM READMISSION POLICY

A student who withdraws from the program or fails to achieve the minimum course grade for progression may be re-admitted by completing all the requirements listed below. Students may be readmitted **one time only** to the MLT Program.

READMISSION CRITERIA

1. The student must be in otherwise good standing in the program at the point of exit.
2. The student must meet current admission requirements under the current College Catalog.
3. The individual must submit a letter requesting re-admission to the MLT Instructor by the date stated in the Exit Interview. This letter serves as a reentry request. Criteria used in this determination will include, but are not limited to:
 - a. The student's motivation, interest in the field, and compatibility with the profession as can be demonstrated by successful employment or volunteer activities in laboratory related area, attendance and participation in professional activities, and / or continuing college coursework in related studies.
 - b. The correction of any identified Program related problems.
 - c. Available space.
4. Each reentry request will be evaluated by the MLT program director, who will make the determination of whether to allow the student to reenter.
5. Re-admitted students are conditionally accepted and will be required to repeat previous MLT course work.

READMISSION CONDITIONS

- The student must meet the current admission criteria including current negative TB test, clear criminal background check as well as any other admissions requirements currently in effect.
- The student will be given, and expected to follow, the policies of the current MLT Student Handbook AND must sign a "Clinical Wait Form" acknowledging that all other current students in good academic standing will receive clinical assignments first.
- The student retakes the failed MLT course, and any courses remaining in the program.

STUDENTS WITH DISABILITIES

Qualified applicants with disabilities are encouraged to apply to the program.

The college is committed to providing reasonable accommodations, including core services, to qualified students with disabilities. TDD services are available in Human Resources.

Appropriate adjustment and reasonable accommodations will be provided to qualified students with disabilities for recruitment, the application process, enrollment, registration, financial aid, course/module work, counseling, programs and services. A request for accommodations must be made and medical documentation of disability is required.

To arrange accommodations, students should review the “Disabilities – Accommodations” web page at <http://www.cptc.edu/disabilities/accommodations> . **Requests for accommodations should be received by the college six weeks prior to the beginning of the semester for which the request is made.** Lack of advance notice may delay the availability of an accommodation.

TEXTBOOKS AND SUPPLIES

Medical Laboratory Technician textbooks are available for purchase or rental at the Campus Bookstores. Please visit the bookstore site for hours of operation:

<http://cptc.bncollege.com/webapp/wcs/stores/servlet/BNCBHomePage?storeId=88501&catalogId=10001&langId=-1>

The purchase or rental of the required textbooks for each course is **mandatory**. The course syllabus will list the required textbooks, and they will also be listed on the CPTC bookstore website.

It is recommended that the student retain the textbook at course completion, as some courses share the same textbook. These textbooks will also serve as valuable resources during the clinical rotations and preparing for the national certification exam. In addition to textbooks, the Program has secured licenses for several online learning websites. These sites will be used as supplemental material and completion of some of the end-of-module quizzes will be included in the computation of the final grade in the course that they have been assigned. The student will be assigned a user name and password. These will be valid until graduation. The student is encouraged to visit these sites often, as part of the preparation for the Registry exam.

Students are responsible for purchasing the following:

1. Two (2) sets of maroon scrubs- which can be purchased at the CPTC Barnes & Noble bookstore, with the CPTC patch sewn onto the center of the left sleeve.
2. Timer – 2 or 3 channel timer
3. Sharpie or other type of permanent, black or blue, waterproof marker
4. Three ring binder with dividers for each course
5. Black or blue ink pen
6. Two (2) Disposable Laboratory Coats

It is strongly advisable that students have a dependable home personal computer with internet access. The College provides student access to internet accessible computers located at various College locations.

Students will be required to print out all materials for their courses. This can be done at home, at a CPTC computer lab or saving files to a flash drive and taking to a printing company. Course materials can be found in Canvas.

GENERAL POLICIES

Attendance Policy

Absence from class except for emergencies or illness will not be tolerated. Each class and laboratory session builds on information from the previous class. Laboratory activities may not have enough materials to be made up which may result in the students inability to meet course performance objectives. The student is responsible for all assignments, materials, examinations, etc. when absent from class. As a courtesy notify your instructor of your absences as you would in any professional setting.

Students at CPTC are expected to meet industry standards of attendance and punctuality and are expected to be present and on time every day except in cases of illness. Students must inform the MLT instructor 15 minutes before class if they will be tardy or absent by leaving a voice mail or sending a text. Time missed in the Academic Phase is made up by completing the lab work missed (if possible), taking the quiz, and/or completing special projects or pertinent assignments outside of class hours.

During the Clinical Phase, students must call the clinical site as well as the MLT instructor before the start of the assigned shift. Absences from clinical with the exception of emergencies or illness will not be tolerated. Students are allowed three sick days during the Clinical Phase. All other time missed must be made up in the department in which it was missed. The student must coordinate the make-up time with the clinical instructor AND the MLT instructor.

Failure to contact the instructor and/or the clinical site on of an absence (no call/no show) will result in immediate probation. A second "no call/no show" will result in dismissal from the program.

Classroom Expectations

1. A successful student attends class regularly, takes notes, participates in classroom instruction, completes assignments and knows when to ask for help.
2. Cell phones are prohibited in the classroom or the student laboratory. If you are expecting an urgent call set your phone to vibrate and leave the classroom to take the call.
3. Electronic devices are not allowed in the classroom unless they are covered. Some manufacturers make covers that are disposable. The only time a student may wish to use an electronic device is to take pictures of microscopic images.
4. Eating and drinking is prohibited inside the MLT lab.
5. Students entering the classroom more than 15 minutes late during a test will not be able to begin the test at that time.
6. Disruptions to the class will not be tolerated. This includes talking, note-passing, and rude and/or inappropriate behavior.
7. Children of students are not allowed in class either for lecture or laboratory. This is a liability issue.
8. Any materials that are needed to be printed by the student should be printed at home or at the CPTC library. All handouts that are given to the students are also available online through Canvas.
9. It is the student's responsibility to submit assignments or make up work when absent. The makeup lab must be coordinated with the MLT instructor.
10. Calculators cannot be shared during a test or quiz. Cell phones that have calculator capabilities cannot be used as a substitute for a true calculator.
11. Take care of personal business before entering classroom or lab.

Email

CPTC provides email accounts to students as a tool for sharing important college information. Student email is the only mode of communication the college uses to send up-to-date information about campus closures, deadlines, scholarship opportunities and upcoming events. Students are responsible for checking their student email on a frequent and consistent basis. College faculty are only allowed to communicate with students through the student's CPTC email account. If you use a personal account to send an email, we cannot respond. Or if we do, it will be to your official CPTC email account.

You can forward your college email to your preferred account. For more information visit: <http://www.cptc.edu/email-help>.

Weather and Campus Alerts

CPTC will post inclement weather closures or delays to the following site www.flashalert.net . This closure information is shared with news media for broadcast. Additionally, interested parties can subscribe to this site and receive notifications through email, text, Facebook or Twitter. The College website at www.cptc.edu will announce closures or delays using banners on the main page and the notification system CPTC Warn (see emergency management section of the website to sign up) will push messages to subscribers as well. In addition, a recorded message will be available on the school closure and information line at 253-589-5707.

In the event of a campus event that poses a threat to the CPTC community, an emergency notification message will be deployed. Students and staff can elect to receive text notifications to their personal devices, emails to their email address, or messages to their home phones.

All students are strongly encouraged to subscribe to CPTC Warn, please visit: <http://www.cptc.edu/risk/emergency-management/cptcwarn>.

Safety at Clinical Sites

While attending clinical, students are subject to, and are required to follow all Federal, State, Local and Hospital policies regarding safety. If an accident should occur while at an affiliate site, report it to your direct supervisor and seek immediate medical attention. Incidents should also be reported to the MLT Instructor as soon as possible but within 24 hours of the event.

Emergency Contact Information

Students are required to keep a current address and phone number and a CPTC email address on file with the MLT Instructor and Enrollment Services. Please inform faculty promptly of any change of address or telephone number so you can be reached as needed. All students are required to use their CPTC email address for emergency contact. Students are required to list an emergency contact name and number so the MLT Instructor will know who to contact if the student has encountered, or has been involved in, an accident. This contact information will only be used to notify the student's contact person of the situation.

Electronic Communication Devices

In any learning setting, the use of electronic communication devices, such as cell phones, must be limited to emergency situations only. These devices must always be set to silent mode in the classroom. If it is necessary to respond to a call the student should leave the classroom with minimal disruption.

Students may not use a cell phone or any other type of electronic equipment in the MLT student laboratory as this area is considered a biohazardous area. The exception is if the device is covered. Special covers are available for cell phones, tablets and laptops to be used in a laboratory area.

Electronic communication devices may be used in the clinical setting for appropriate purposes only. These devices should be securely stored and used only during approved break times. These purposes will be determined by the clinical instructor. Tape recorders, PDAs, cameras and other recording devices are not to be used in the clinical setting for recording identifiable client data.

DRESS CODE

Students are to purchase two or more sets of maroon scrubs, available in the bookstore, to wear during attendance in class, laboratory and clinical courses.

The following dress code is required for *lecture, laboratory and clinical*. During clinical rotations, the student must also adhere to the dress code of the facility assigned to.

- a. **Clothing:** Scrubs must be worn during all classroom, laboratory and clinical activities. Avoid wearing scrubs which are overly revealing, which may represent a safety hazard, or which may be offensive to patients or laboratory personnel.
- b. **Shoes:** Shoes must be closed-toed and soft-soled, non-marking. White leather-type tennis or similar shoes are strongly recommended. Clogs, crocs or other types of shoes with no back or holes in the top are not allowed.
- c. **Hair:** Hair must be clean, neat and of a *normal* hair color. If the hair's length is at or below the shoulder, or if it has tendency to hang in the face, it must be drawn back; using a clip, hair band or hair tie.
- d. **Head coverings:** Nothing shall be worn on the head (baseball caps, scarves, hats, etc.) unless it is of a required religious nature. If the head covering falls below the shoulders it must be tucked securely inside the lab coat to prevent contamination by blood and/or body fluids.
- e. **Beards:** Male students must either shave regularly or if they choose to wear a mustache and/or beard, must keep them clean and well groomed.
- f. **Hygiene:** Students must bathe regularly and use deodorant to avoid offensive odor. Students shall not use perfume, cologne or aftershave lotion. Conservatively applied makeup is permitted.
- g. **Body Piercing/Tattoos:** No visible body piercings are allowed. Tattoos will always be covered in the clinical setting.
- h. **Fingernails:** Fingernails must be kept clean and at a reasonable length. Reasonable length is defined as 1/8" above the fingertips. Artificial nails and nail jewelry are *not* to be worn. Clear or light pink nail polish may be worn. Chipped nail polish is not permitted.
- i. **Jewelry:** Jewelry should be limited to wedding rings and a wristwatch. A conservative necklace that is kept close to the skin (not dangling) and conservative earlobe earrings, no more than one earring per ear, that do not extend more than ½ inch below the earlobe are acceptable.
- j. **Identification:** During clinical assignments students must wear their CPTC photo ID badge identifying them as Clover Park Technical College student. *The badge must always be visible by clipping it onto the top of the scrub top or the lab coat. Badges CANNOT be worn at or below waist level.* Wearing the badge clipped to a lanyard is acceptable if it does not create a safety hazard or dangle into the workspace. Once the students enter their clinical rotations, the students must wear either their CPTC Student Badge, or their Clinical Site Photo ID Badge. Students will also wear their designated CPTC MLT scrubs with the CPTC patch sewn on the left sleeve.

2. **Laboratory:**

- a. The lab coat must be worn, always buttoned from top to bottom, when working with biological samples.
- b. When not in use, the lab coat is to be stored in the laboratory in a designated area. Lab coats may NEVER be worn outside the lab.
- c. With normal wear, the lab coat should last throughout one quarter. Students may purchase additional disposable lab coats from an outside vendor or from the CPTC Barnes & Noble bookstore.

Assignments, Homework and Projects

Students are expected to be prepared to discuss the topic being presented during class time. Written homework, when assigned, will be discussed and corrected at the beginning of the next scheduled class. Late or incomplete assignments will be subject to penalties, excessively late assignments will not be accepted.

1. All assignments, homework, projects, etc. must be completed in full and on time. A failure to comply could result in the following penalties:
 - a. deducting grade points for missing deadlines
 - b. grade of "0" for incomplete work
 - c. remaining after hours to complete assignments
2. A habitual or sustained disregard for assignment deadlines or completion could jeopardize the student's standing in the Program as the result of unacceptable grades, which will result in one of the following:
 - a. probation until assignment completion
 - b. dismissal from the class
 - c. dismissal from the program

Exams

All MLT major course exams will be given through Canvas. The protocols and expectations for taking exams online will be outlined in each course syllabus. Course practicals and final exams will be conducted in class, at a Testing Center, or with an assigned proctor.

Dishonesty

It is the responsibility of the College administration and faculty to provide reasonable and prudent security measures designed to minimize opportunities for acts of dishonesty which occur at the College. Honest assessment of student performance is of crucial importance to all members of the College community. Acts of dishonesty are serious breaches of honor and shall be dealt with appropriately.

Academic dishonesty

1. Cheating includes any attempt to give or obtain unauthorized assistance relating to the completion of an academic assignment or requirement.
2. Plagiarism includes taking and using as one's own, without proper attribution, the ideas, writings, or work of another person in completing an academic assignment or requirement.
3. Fabrication includes falsifying data, information, or citations in completing an academic assignment or requirement, or providing false or deceptive information to an instructor concerning the completion of an assignment or requirement, including submitting for credit without authorization academic work also submitted for credit in another course.

The college may impose disciplinary sanctions against a student who commits, attempts to commit, or aids, abets, incites, encourages, or assists another person to commit any act of academic dishonesty.

GRADING AND ACADEMIC REQUIREMENTS

This is a competency-based program. Each student is expected to successfully demonstrate competency in classroom work and in laboratory clinical skills. The syllabus for each course is published in Canvas on or before the first day of class and contains course objectives, course guidelines and the specific criteria for grade calculations. Grading criteria for each course is outlined in the course syllabi. All MLT courses require a minimum of 75% in **both** the lecture and the laboratory components, even though the average of the two components may be 75% or greater.

The MLT courses use the following scale for determination of final grades:

A = 90 - 100%

B = 80-89%

C = 75 – 89%

D = 70 – 74%

F = less than 70%

It is expected that all prerequisite course work is completed prior to registering for the designated course.

The student must achieve a minimum grade of “C” (2.0) in all general core required courses of the degree plan and must meet all requirements established by the college for the Associate in Applied Technology degree.

The instructor teaching the course shall assign grades. The instructor will provide information to the students at the beginning of the semester regarding the course, including the guidelines for grading. If the student has questions about a grading policy and/or a specific grade, the student must raise the question while enrolled in the course. If the student is unable to resolve the questions or objections with the instructor, the student is to make an appointment with the Dean.

DIDACTIC COURSE EVALUATION

The grading systems and the broad course objectives to be used in each MLT course are included in the course syllabus provided to students at the first meeting for each course. Exams, lab practicals, study questions, or any other criteria to be used in grading are to be graded and returned to the students promptly.

The didactic courses will include at least, but not limited to, unit tests, assignments, laboratory procedures, laboratory practicals, daily or pop tests, and a final examination.

Each MLT course will have a didactic and a laboratory grade component. The student is required to maintain a 75% grade or better for each component of the course to be considered for advancement to the next course or practicum. **If a student has less than 75% in any course at mid-term, a conference with the MLT Instructor is advised.** If any questions or concerns arise pertaining to your grade do not hesitate to ask the instructor or Program Director.

LABORATORY EVALUATION

For each practice session the student will demonstrate:

- Cognitive knowledge of the procedure being performed (Why you are doing the test).
- Technical performance that demonstrates an ability to perform the task at hand.
- Mental skills as well as physical or psychomotor skills may need to be demonstrated as part of the completion of the task.

A laboratory practical for each course will be given to ensure students are able to demonstrate the required performance objectives for the lab.

STUDENT LABORATORY POLICIES

Introduction

Students will be provided with education and training for each of the following:

1. Standard precautions, the use of personal protective equipment (lab coats, gloves, masks, protective eyewear), and hand washing.
2. Proper disposal of sharps.
3. Proper disposal of biohazardous waste.
4. Transmission – based precautions
5. Procedure for reporting needle stick injury or other types of blood or body fluid exposures.

Laboratory behavior

During wet demonstrations or laboratory sessions, all students will adhere to the safety standards of the College, as well as those of the CDC and OSHA, and, strictly follow Standard Precautions. Students will report any hazards, potential hazards, or injuries to the instructor immediately.

Laboratory Safety

1. Note the location of all safety devices, i.e., fire extinguishers, safety shower.
2. Standard Precautions are always to be followed, no exceptions.
3. Personal Protective Equipment (eye shield, gloves, lab coat or apron) must be worn when manipulating specimens. **NOTE:** PPE must be removed, and hands washed before exiting the laboratory.
4. Wash your hands with soap at the beginning and end of a lab session and any time gloves are removed.
5. Specimens must be centrifuged with stoppers on.
6. Leave aisles free of any obstruction.
7. No food or drink is allowed in the student laboratory.
8. Long hair must be pulled back.
9. Only closed-toe shoes are allowed in the laboratory. Students with inappropriate footwear will not be allowed to enter until the appropriate footwear is worn.
10. Wash the work area with disinfectant (i.e. 10% Bleach) at the beginning and end of a lab session.
11. Regular trash does not go into biohazard waste bags. Only trash that is contaminated with blood or body fluids is to be placed in the red biohazard bags.
12. Broken glass or needles are must be discarded into a Sharps container. **NOTE:** Broken glass must not be picked up with hands, use a broom and dustpan.
13. Report any blood/body fluid exposure or injury to your instructor immediately

Exposure Control Plan

Students are expected to follow standard precautions and safe practice guidelines as recommended by CDC and OSHA in the student laboratory sessions and at clinical sites.

The student laboratory has safety equipment available to students in case of fire, hazardous material spill, personal injury, earthquake, or any circumstance requiring evacuation/lockdown of the building. This equipment includes a safety shower and eyewash station, fume hood, splash shield and goggles, gloves (synthetic exam gloves, heavy duty vinyl gloves, and insulated oven gloves), and a spill clean-up kit. Students are instructed in the use of all these items during the Introduction course, are tested on their location and use, and are expected to use them appropriately when the situation warrants.

Sharps and Sharps Containers

1. The following items shall be considered sharps and disposed of in a sharps container:
 - a. Any type of needle used for blood collection.
 - b. Lancets
 - c. Glass slides
 - d. Broken glass
2. The sharps container will be kept near students working with sharps.
 - a. Sharp objects that are contaminated with potentially infectious material are to be immediately placed into the sharps container.
 - b. Contaminated sharps are to be immediately discarded into an approved sharps container displaying the biohazard symbol.
3. Sharps containers will be sealed when $\frac{2}{3}$ or $\frac{3}{4}$ full and placed in the Bio-Hazard Room.

Blood and Body Fluid Exposure Policy

If an incident should occur where the student is exposed, the following protocol will be adhered to:

1. For needle punctures or breaks in skin: immediately cleanse the area with soap and water and apply bandage.
2. For mucous membrane exposure (e.g. splash in eyes, mouth or nose), immediately flood with clear water.
3. Immediately report the incident to instructor or to the clinical supervisor if incident occurs at clinical training site.
4. triage and determination of risk and possible prophylaxis.
5. Complete the "Accidental Injury or Occupational Illness Report" within 24 hours.
6. Report to personal health care provider and/or the nearest Emergency Department within 1-2 hours for exposure. Payment and scheduling of any follow-up testing procedures ordered by the Emergency Department or personal physician will be the student's responsibility.

Student refusal to comply at any step in this outlined protocol will be documented.

Accidental Spill of Potentially Infectious Material

1. In the event of an accidental spill of any blood or other potentially infectious material, the affected area (floor, wall, equipment, bench top), will be cleaned and decontaminated with a 10% bleach solution.
2. The diluted bleach must be made fresh at the beginning of every lab session and stored in a correctly labeled squeeze bottle.
3. Place a paper towel over the spill and flood with 10% bleach.
4. Leave undisturbed on the contaminated surface for a minimum of 20 seconds before wiping with a paper towel.

5. Carefully remove the paper towel while wiping the area and place in the biohazard container.
6. If necessary, squirt additional bleach and wipe with a paper towel.
7. The site should be left damp as the disinfection occurs as the bleach dries.

Chemical Hygiene Plan

There are many potential chemical hazards present in the MLT department, including flammables, corrosives, poisons, aerosols, and suspected carcinogens. Safety equipment essential to the prevention of laboratory accidents or exposures is available to each student.

A ventilating fume hood is in place in the glassware-washing room and serves to prevent toxic or flammable vapors from entering the lab atmosphere, as well as to present a physical barrier to contain accidental spills. ALL measuring, weighing, pouring, and mixing of potentially hazardous materials is done under the ventilating hood. Students should choose appropriate Personal Protective Equipment prior to any procedure involving hazardous chemicals. Synthetic exam gloves, heavy-duty vinyl gloves, and insulated oven gloves are all available, as are goggles and aprons.

In the instance where a chemical spill or splash to the skin or clothing does occur, the student will immediately use the emergency shower, or the eyewash station, located to the left of the Microbiology Room. If emergency medical care is required, the nearest student should dial 9-911 from a CTPC phone for the local paramedic unit. The instructor will provide first aid as needed.

The spill itself is to be treated according to the instructions on the Spill Clean-Up Kit, which is located above the flammable cabinet in the Microbiology Room. Further information about the chemical spilled is available in the MSDS file, kept on the top shelf to the right of the drying oven.

All chemicals are stored in appropriately labeled closed cabinets, or in insulating packing material, below eye level, with Hazard Rating Identification labels attached.

Infectious Waste Management

1. Proper use of disposable lab coats and gloves is crucial to an infection control program to prevent the transmission of infections due to blood and body fluids.
2. All tubes containing blood are to be placed into a biohazard (red) bagged box. Patient blood samples must be re-stoppered prior to placement in the biohazard container. When the biohazard box is full it will be placed in the Bio-Hazard Room. Full containers are picked up by a licensed waste facility contracted by the college.
3. Disposable items will be placed in biohazard bags if visibly contaminated with blood and secured and disposed of as biohazardous waste.
4. Lab coats and gloves may be disposed of in the regular trash bag.
5. Urine containers are to be emptied in the sink and rinsed with water after the lab session. The tops will be secured back onto the containers before discard. Urine containers may be discarded into regular trash UNLESS they have a transfer needle in the lid. If a needle is present in the lid they must be disposed of in the sharps container.
6. Broken glass test tubes, glass slides, needles, or sharps of any kind will be placed into the red sharps containers. When the sharps containers have reached $\frac{2}{3}$ or $\frac{3}{4}$ full, then the sharps container should be securely closed and placed in the Bio-Hazard Room.

Physical Environment

Engineering and work practice controls in combination with personal protective equipment are in compliance with OSHA standards.

Hand washing facilities are readily available to students and faculty using the laboratory space.

Fire

1. In case of fire, dial 9-911 from a campus phone and state that there is a fire. Describe the following:
 - a. Your location – including the building and room number.
 - b. The telephone number from which you are calling.
 - c. The exact location of the fire.
 - d. The extent of the fire (small, large, etc.) and the type of fire if you can identify it (wastepaper basket, electrical, chemical, etc.)
2. After you have called 9-911, call Security at 253-589-5682 or from a campus phone dial 5682 and Security Staff will arrive on the scene as quickly as possible.
3. Pull a manual fire alarm. See the evacuation map for your building for the location of an alarm box nearest the room. www.cptc.edu/risk/safety/emergency-management
4. You may attempt to extinguish the fire yourself if you know how to do so (however it is more important to avoid injuring yourself or others). * See the evacuation map for the closest fire extinguisher. www.cptc.edu/risk/safety/emergency-management
5. Evacuate the area (see evacuation instructions).
6. If you are trapped inside, stay near the floor. Shout at intervals to alert rescue personnel of your location.

***IMPORTANT: Only attempt to extinguish the fire after calling 9-911.**

A fire extinguisher is located in the Microbiology Room in the middle of wall where the lab coats are hung, as well as one nearby in the outer hall to the left the laboratory, across the hall from the Mechanical Room # 22. There is an additional fire extinguisher going down the right hallway once leaving the laboratory, located across the hall from the Hemodialysis Room # 227.

The fire alarm is located at the bottom of our designated escape stairwell on the left wall before exiting the building. Another fire alarm and fire extinguisher are located down the right hallway once leaving the laboratory next to the Computer Lab Room 237. Students must be aware of their locations and knowledgeable about their operation.

An evacuation route map is posted near the classroom exit. Fire drills are conducted by the college to familiarize students with evacuation procedures.

CLINICAL POLICIES AND PROCEDURES

Introduction

Clinical rotations allow students to apply the knowledge and skills obtained in the didactic component of the curriculum to real life experience in a clinical laboratory. The clinical courses provide students with clinical experience in and around the Lakewood area hospitals and clinic laboratories designed to allow students to achieve entry-level competency in the most frequently performed tests or skills. Students may also be provided with real or computer simulated learning activities.

Training students is very time consuming due to the time required to teach students at the bench. Training students slows down the work process in the department during the days that a student is on-site. Clinical training experiences are a privilege not a right. You have earned the privilege of being assigned to a clinical site due to successful completion of the MLT courses.

Students will be held to the highest level of work ethics. Excellent attendance, reviewing of lecture notes, laboratory procedures, textbooks and attentiveness to instruction provided are high among the expectations. The ultimate goal of each rotation is that the student is able to do the entry-level work at the bench with minimum supervision.

Students in the MLT program are strictly forbidden to engage in personal relationships with clinical personnel.

Clinical Experience Goals

An important component of the Medical Laboratory Technician Program is the Clinical Experience, where the students practice their acquired skills and learn new ones in a real - life working environment. The MLT Department and the affiliated institutions work together to provide a hands-on learning experience for the students. The affiliate institutions will provide a safe working environment and instruct students in safety and clinical policies in all areas of the clinical laboratory.

Policies for Clinical Placement

The MLT program has a system in place to assign students to clinical affiliates. The system used is very complex and there are a lot of factors that are considered in placing a student. Students are not allowed to select their sites. There is no guarantee that a student will be placed in a laboratory close to their home. It is the student's responsibility to be flexible regarding shifts. *Students who decline being placed at a specific clinical site will have no option but to drop out of the program.*

Students will be asked about any documented reasons that they would be unable to attend the assigned clinical rotations. Students may need to work with the office of disabilities to get official approval. This must be done in the spring semester. Under no circumstances are students allowed to make changes to their clinical schedule without the prior approval of the MLT program faculty and clinical instructor.

Students who do not maintain a 75% or higher grade in the lecture and lab components of all MLT courses or have not completed their medical clearance will not be considered eligible for clinical placement.

Alternate Status for Clinical Rotations

If, due to unforeseen circumstances, there are more students eligible to begin clinical assignments than available affiliates, spaces will be filled based on academic performance. Those students with the highest-grade point average in MLT courses will be placed first. Students who are not able to be placed at a clinical site will be placed as soon as clinical sites become available. This may require that the student take an incomplete and finish up the following quarter.

Clinical Placement when Site Unexpectedly Cannot Take a Student

There are times in which the clinical sites are unexpectedly unable to take students due to various reasons such as staff shortage, upcoming inspections, remodeling or computer system hospital wide updates, for example. Every effort will be made to find an alternate site for the rotation. If a clinical rotation site is unavailable the student may need to take an incomplete and complete the rotation in the following quarter.

Transportation to Clinical

Transportation to clinical facilities is the sole responsibility of the student. Students are required to have reliable, dependable transportation to the clinical facility. Students will be required to travel outside the Lakewood area for some clinical rotations. Rotations on evenings, nights or weekends may be required. Non-traditional shifts may be created to accommodate the clinical sites. Students must be prepared to accommodate travel to any facility deemed appropriate to meeting course objectives within and outside the Lakewood area.

Clinical Rotations

The Clinical Experience is designed to be a comprehensive experience encompassing the attainment of knowledge of laboratory principles (cognitive), the development of abilities and entry level skills necessary to perform laboratory tests (psychomotor), and the fostering of attributes and attitudes essential in today's laboratory professionals (affective).

Recommended clinical departmental rotations are:

- | | |
|-------------------------------------|---------|
| • Phlebotomy/Processing | 1 week |
| • Hematology/Body Fluids/Hemostasis | 6 weeks |
| • Immunology | 2 week |
| • Chemistry | 4 weeks |
| • Microbiology | 4 weeks |
| • Urinalysis | 1 week |

Clinical Site List

The following table lists the institutions which have affiliation agreements with the MLT program. Some affiliates may not participate at a given time due to circumstances occurring at the site such as a new instrument installment, new computer system etc. Not every institution has sufficient volume or types of testing to offer rotations in all departments. **For that reason this list is provided as an informational item only.** The program will determine the best rotation site for each student based on the availability of rotations at the time the clinical schedule is created.

Clinical Site	Location
1. Bremerton Naval Base Hospital	Bremerton, WA
2. Capital Medical Center	Olympia, WA
3. Department of Veterans Affairs Puget Sound Health Care System	Seattle, WA
4. Digestive Health Specialists Laboratory of Tacoma	Tacoma, WA
5. CHI Franciscan	
a. St. Joseph Medical Center	Tacoma, WA
b. St. Clare Hospital	Lakewood, WA
c. St. Elizabeth Hospital	Enumclaw, WA
d. Harrison Medical Center	Bremerton, WA
e. St. Anthony Hospital	Gig Harbor, WA
6. Laboratory Corporation of America	Seattle, WA
7. Kaiser Permanente Capitol Hill	Seattle, WA
8. Mason General Hospital	Shelton, WA
9. MultiCare Health System	
a. Allenmore Hospital	Tacoma, WA
b. Auburn Medical Center	Auburn, WA
c. Gig Harbor Medical Park	Gig Harbor, WA
d. Covington Medical Center	Covington, WA
e. Tacoma General	Tacoma, WA
f. Good Samaritan Hospital	Puyallup, WA
10. Providence SW	
a. St. Peter Hospital	Olympia, WA
b. Centralia Hospital	Centralia, WA
11. Quest Diagnostics Incorporated	Seattle, WA

Attendance

Regular and punctual attendance is required on all clinical days. The attendance policy for clinical is much stricter than for required college classes.

- Clinical sites are intolerant of tardiness and absences.
- Do not call in sick to the clinical site unless you are truly sick.
- If the student is not able to make it to the clinical site, they **MUST** call the site before the start time, then call or text the MLT instructor and leave a message. Contact information will be found in the course Syllabus.
- Absences from or tardiness to the clinical site for reasons other than health or emergencies will not be tolerated and may result in withdrawal of the student from program.
- If a student is absent from clinical without notifying the facility and MLT instructor appropriately as stated above the following will result:
 - The first time that a student is absent without notifying the instructor and the training site supervisor (no call/no show), the student will be placed on immediate probation. This situation is so egregious no warning will be given.
 - The second time a student is absent without notifying the instructor and the training site supervisor, the student will be immediately dismissed from the program. The student will not be eligible for re-entry to the program.

Clinical Supervision

All students will be supervised by a qualified staff member in the department to which you are assigned. This individual will work closely with you and monitor your work in that department. You will meet periodically with the MLT Instructor. This meeting will be used to review your clinical progress and discuss any problems that may have occurred during your rotation. If you encounter a problem at your affiliate, call the CPTC faculty member immediately so the problem can be resolved as quickly as possible.

Professional Behavior

The faculty of Clover Park Technical College MLT Program have an academic, legal and ethical responsibility to protect members of the public and of the health care community from unsafe or unprofessional practices. MLT students, while representing Clover Park Technical College at any clinical agency, must conduct themselves in an ethical, professional, and safe manner. Students are expected to assume responsibility for their actions and will be held accountable for them. Students will abide by CPTC and clinical agency policies during each clinical experience.

Failure to adhere to program specific policies related to professional behavior or safe clinical practice may result in the use of the Progressive Discipline Policy.

Professional Ethics and Confidentiality

Students must remember that the information concerning patients is strictly confidential. Students are required to adhere to legal and ethical standards as established by regulatory agencies and professional standards. Failure to comply with the above is cause for immediate dismissal from the program.

Service Work Performed by Students

Medical Laboratory Technician students are not expected to perform service work and are not allowed to take the place of qualified staff during any clinical rotation. After demonstrating proficiency, students, with qualified supervision, may be permitted to perform procedures. All test results reported by students must be verified by a qualified staff member. A clinical institution which employs a currently enrolled MLT student will schedule the student for work during **non-instructional** hours. These paid hours may not count as clinical time as the student is performing the duties of an employee not a student in training.

Dating Clinical Staff is Forbidden

Clinical Visitation

Students are permitted to be at the clinical site in the role of "MLT Student" only during scheduled clinical hours. Students are not allowed to visit the laboratory in the role of an MLT student outside of scheduled hours. When not in the role of "MLT Student," students assume the role of visitor and abide by hospital and clinic regulations. Uniforms, lab coats, or name tags should not be worn while the student is in the role of visitor.

Medical Clearance

Each clinical affiliate has its own regulations for medical clearance. You will be informed as to what the requirements are for your clinical site. In general, the requirements for most clinical sites are as follows:

- Measles, Mumps, Rubella (MMR)
- Varicella (Chicken Pox)

- Hepatitis B
- TB Screen (skin test followed by X-ray if positive or previously positive)
- Tetanus, Diphtheria, & Pertussis (Tdap)
- Influenza (for the current flu season during clinical rotations, the MLT Instructor will announce when to acquire your flu shot.
- Background Check
- Drug screen (if required by affiliate)

Employment

Students are advised against full-time employment while enrolled in the MLT Program. If employment is necessary, students must determine how many hours they can work and continue to meet the requirements of the MLT program. No special consideration will be afforded students who work so far as modifying the schedule.

Smoking

Students are expected to abide by the clinical facility's no smoking policy during clinical rotations. Some clinical sites refuse to place students who are smokers in rotations at their institutions. All clinical sites prohibit smoking on their property. Students who are reported to be in violation of a clinical facility's smoking policy will be placed on immediate probation.

Insurance

Each student is required to carry personal health and medical insurance throughout their clinical rotations. Quarterly-based insurance for students may be purchased; further information is available through the Advising and Counseling Office.

No student will be allowed at a clinical site without proof of insurance. Students are responsible for medical expenses incurred from students' accidents either while on campus, at a clinical site, or while commuting to and from a clinical site.

All affiliates require that students have malpractice/liability insurance. The students being placed in clinical sites are covered by blanket policies acquired by the College. The cost for these insurance policies is included in the fees paid to the College.

Unsafe Clinical Practices

The MLT program identifies safety as a basic human need. A safety need can be identified as physical, biological, and/or emotional in nature. Safe practices are a requirement of the program.

Unsafe clinical practice shall be deemed to be behavior demonstrated by the student which threatens or violates the physical, biological, or emotional safety of the patient, caregiver, students, staff or self. Unsafe or unprofessional clinical practice may result in implementation of the Progressive Discipline Policy.

The following examples serve as guides to these unsafe behaviors but are not to be considered all-inclusive.

Physical Safety: Unsafe behaviors include but are not limited to:

- inappropriate use of side rails, wheelchairs, other equipment
- lack of proper protection of the patient which potentiates falls, lacerations, burns, new or further injury
- failure to correctly identify the patient prior to initiating care or procedures

Biological Safety: Unsafe behaviors include but are not limited to:

- failure to use proper personal protective equipment
- failure to follow Standard Precautions
- failure to recognize violations in aseptic technique
- performing actions without appropriate supervision
- failure to seek help when needed
- attending clinical while ill

Emotional Safety: Unsafe behaviors include but are not limited to:

- threatening or making a patient, caregiver, or bystander fearful
- providing inappropriate or incorrect information
- performing actions without appropriate supervision
- failure to seek help when needed
- unstable emotional behaviors

Unprofessional Practice: Unprofessional behaviors include but are not limited to:

- Verbal or non-verbal language, actions (including but not limited to postings on social media sites), or voice inflections which compromise rapport and working relations with patients, family members, staff, or physicians, may potentially compromise contractual agreements and/or working relations with clinical affiliates, or constitute violations of legal/ethical standards
- Behavior which interferes with or disrupts teaching or learning experiences
- Using or being under the influence of any drug or alcohol that may alter judgment and interfere with safe performance in the clinical or classroom setting
- Breach of confidentiality in any form
- Falsifying data in a patient health record
- Misrepresenting care given, clinical errors, or any action related to the clinical experience
- Recording, taping, taking pictures in the clinical setting without expressed consent
- Leaving the clinical area without notification of faculty and clinical staff or supervisor

Dismissal from Clinical

A student may be dismissed from the clinical site immediately in the following circumstances:

1. Displaying unethical or illegal conduct in the clinical area
2. Displaying unsafe practices in the clinical area.
3. Seriously jeopardizing a patient's safety
4. Displaying unprofessional conduct in relating to staff, faculty, peers or patients, including violations of professional boundaries.
5. Violation of the standards of confidentiality in relation to patient, staff, clinical facility, or another student (HIPAA).
6. Functioning outside the student role.

If a student is removed from the clinical site, the MLT faculty will determine the student's status in the Program and refer the student to the appropriate college official for disciplinary action as appropriate. (see College Catalog)

Any student whose performance or behavior results in professional staff at a clinical site communicating that the student may not return to the site will be removed from the clinical site and receive a failing grade for that rotation. Further action will be determined by the Faculty

FAILURE, DISMISSAL OR WITHDRAWAL FROM MLT PROGRAM

It is recognized that a student may need to withdraw from the program due to grades, financial, personal or health reasons.

Failure of or withdrawal from any co-requisite MLT course prior to the college official withdrawal date ***will result in withdrawal from all other co-requisite MLT courses regardless of the current grade in the course.***

The student may petition for a one-time re-entry by following the department Re-entry Policy. Please note that when you reenter the program you must meet current college catalog degree plan requirements. Clinical rotations must be completed within twelve months of completing technical classwork at the College.

Students who have been withdrawn from the CPTC MLT program for more than one year will be required to prove competencies before reentering into the program. Alternatively, the student may choose to retake all the courses in the MLT program.

Grades

Students must achieve a grade of 75% or better in all MLT courses to progress through the program. Failure to maintain a score of 75% will be considered a failure of that course and result in dismissal from the program.

Withdrawal Due to Personal, Financial, or Health Issues

A student who is in good standing when withdrawing from the program may reapply for readmission to the program according to the departmental Readmission Policy. Before withdrawal, it is recommended that the student take advantage of the many support services available at Clover Park Technical College (please refer to the Student Handbook) and contact Kevin Kildun (253-589-5701) (Kevin.Kildun@cptc.edu), the Advisor for the MLT program.

Failure or Dismissal from the Clinical Practicum

Clover Park Technical College expects students to behave in a manner that is appropriate to a collegiate environment. At affiliate sites, the student is expected to maintain behavior consistent with the institution. Failure to maintain a professional demeanor in the learning environment, failure to demonstrate progression towards entry-level competency

in all required skills or failure to maintain grades in accordance with the Medical Laboratory Technician Program policy may lead to sanctions ranging from verbal or written warnings up to suspension or dismissal.

If the Clinical Practicum must be repeated, the student must seek re-entry to the program. Students will be allowed to repeat a practicum only if clinical space is available after non-repeating students are assigned clinical spots. Repeating students have the lowest priority for clinical space. Repetition of the practicum will be allowed only once.

RESOLUTION OF PROBLEMS

When individual concerns arise between students and faculty, the concern should be discussed with the faculty member first. If the concern is unresolved, a meeting will be held with the student, the involved faculty member, and with the program director. If the program director is the faculty member then the meeting should be held with the Dean.

Note: Please refer to Student Handbook in the Student Code of Conduct section for a full discussion of the grievance procedure and Code of Conduct.

The Student Grievance Procedure may be used by a student to address complaints concerning the alleged abridgement of the student's rights as stated in the College's Student Handbook. This procedure is followed either when the student is at the College or at the affiliate. If the incident takes place at the affiliate, the student must inform the MLT Instructor directly in a timely fashion, so that the appropriate actions can be taken to resolve the problem. The Coordinator at the affiliate institution will submit a written report to the MLT Instructor supplying information concerning the grievance. Complaints or grievances filed in connection with assigned grades or with faculty are directed to the Dean. Most problems are resolved at the informal (Level 1) level. If the student is not satisfied with the outcome, he or she may submit a formal written complaint to the Dean. (Please refer to the Student Handbook).

APPLYING FOR GRADUATION

It is the responsibility of the student to apply for graduation. At the beginning of your final semester visit It is the student's responsibility to make application for graduation. Early in the last quarter of the Program, students must request application for graduation. Please visit <http://www.cptc.edu/graduation> for complete information on graduation.

CERTIFICATION EXAM

Upon completion of the program, students are eligible to sit for a national certification examination. During your final quarter you will be notified when to submit your application to take the American Society for Clinical Pathology (ASCP) Board of Certification (BOC) exam. To be eligible you must complete all course work required for the MLT degree. You will make application six weeks prior to graduation. The MLT program director will review your records to ensure that you are a student in good standing. Once the review is done the application to take the exam will be approved. You will be provided specific information concerning the application process during your final semester. You are encouraged to visit the ASCP BOC web site for additional information: <https://www.ascp.org/content/board-of-certification/apply-now-check-status-update-info> You will not receive your certificate until you send an official transcript noting the awarding of the degree.

NOTE: Completion of the MLT Program is not contingent upon passage of any external certification examination.

AFTER GRADUATION – GRADUATE SURVEY

The Program Director will maintain contact with all graduates for the first year following graduation. Please make sure you have a valid telephone number, address, and email on file. The purpose of this contact is to compile statistics for program accreditation. Statistics for Certification Pass/Fail and employment rates, as well as student satisfaction with placements must be compiled and submitted yearly to the accrediting agency. You will be sent a survey form within that first year. The survey is sent out electronically, so it is crucial that a current, personal email is available to the program. Information obtained from these surveys are used to improve the quality of the MLT program. A similar survey will be sent to your employer to obtain feedback on how well the program prepared you for an entry level position as an MLT.

PROGRAM CLOSURE – TEACHOUT PLAN

NAACLS requires the MLT program to have a “teach out” plan in case the MLT program closes. Intentional closure of the CPTC MLT program by the college will be communicated to all students immediately. Closure may be temporary due to a physical or natural disaster or permanent as deemed by the college.

If closure is permanent:

- Students will be informed that the program will not take a new class.
- Students will be provided with information about other MLT programs.
- Program closure information will be posted on college website.

If the closure is temporary:

In cases of natural and unnatural disasters the college will inform students of a plan for continuation of their education as soon as that information is available.

For permanent closure the current students will be informed as follows: :

- Students in the first quarter
 - Students will be informed of program closure.
 - If closure is announced mid-quarter students will be allowed to complete MLT courses.
 - Students will be counseled regarding alternative CPTC majors or transfer to another college.
- Students in the second quarter
 - Students will be informed of program closure.
 - If closure is announced mid-quarter students will be allowed to complete MLT courses.
 - Students will be counseled as to alternative CPTC majors.
 - Students will be assisted in applying to other local MLT programs.
- Students in the third quarter
 - Students will be informed of program closure.
 - If closure is announced mid-quarter students will be allowed to complete MLT courses.
 - MLT faculty will work with clinical sites and other community colleges to facilitate completion of the clinical practicum.
- Students in the fourth quarter
 - Students will be informed of program closure.
 - If closure is announced mid-quarter students will be allowed to complete the clinical practicum.
 - A college official will be designated to clear students applying for the certification exam.

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Medical Laboratory Technician Student Handbook
Signature Page

Printed Name _____

Instructions:

1. Carefully read each of the statements below.
2. **INITIAL** each statement in the space indicated to signify your agreement to abide by the policies and procedures in this Handbook.
3. Print, sign and date in the space below.
4. Have your instructor review for completeness.
5. Upload into the appropriate assignment in Canvas.

	INITIAL	STATEMENT
1.		I have had an opportunity to carefully review the MLT Student Handbook and have had an opportunity to have my questions answered.
2.		I have read and agree to comply with the student policies and procedures as outlined in the MLT Student Handbook. Furthermore, I will agree to and will comply with the course requirements as listed in each course Syllabus and Student Policies of the Medical Laboratory Technician Program.
3.		I understand that my clinical schedule may require that I travel or perform rotations during non-traditional hours.
4.		I have been informed that the program will create my clinical rotation schedule and I am not allowed to change it.
5.		I have reviewed the Essential Functions and I am able, to the best of my knowledge, to meet them.
6.		I agree to criminal background checks and agree to immediately notify the MLT Program Director in writing of any subsequent changes in criminal history that occur after the admission background check has been completed.
7.		I understand that while performing my regularly assigned duties I may be exposed to blood, body fluids, or tissues. I will use the appropriate personal protective equipment required when there is an inherent potential risk for mucous membrane or skin contact with blood, body fluids or tissues. I understand that I may be subject to disciplinary action if I fail to use available personal protective equipment.
8.		I have been informed regarding the inherent health and safety hazards and release CPTC from any liability for such hazards.
9.		I will allow CTPC to send my employer an "Employer Survey" which allows my employer to evaluate my preparation for an entry level position as an MLT. This information will be used to improve the program at CTPC.

Signature _____

Date _____