



**Health Professions
Medical Laboratory Technology Program
Admission Information Packet**

www.mccc.edu/mltp/2017/index.shtml



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MLT Career Information

The Medical Laboratory Technology Program is designed to prepare students for successful careers as Medical Laboratory Technicians (MLTs).

Medical Laboratory Technicians (MLT) are vital to the healthcare team as they are often the first to produce patient results. MLT's use sophisticated biomedical instrumentation, as well as manual procedures, to perform testing and provide results that are essential in the diagnosis, treatment and prevention of disease. It is estimated that over 70% of all medical decisions are based in part on laboratory results.

The MLT Program at Mercer County Community College offers a diverse and multi-level education in the areas of collecting, processing, and analyzing biological specimens and other substances, principles and methodologies, performance of assays, problem solving, troubleshooting techniques, correlation of clinical procedures and results, principles and practices of quality assessment, for all major areas: clinical chemistry, hematology, immunology, immunohematology, microbiology, and molecular biology practiced in the contemporary clinical laboratory.

There are excellent employment opportunities for MLTs in hospitals, reference laboratories, regional blood centers, public health labs and physician offices.

Graduates of the program are immediately eligible: 1) for entry level laboratory positions and 2) to take the national certification exam offered by the American Society for Clinical Pathology. Many graduates choose to continue their education by pursuing Bachelor's degrees in Clinical Laboratory Science or other health related fields.

MLT Program Description

Mercer's MLT program is offered in two phases:

Pre-Professional Phase

Students who have received a high school diploma or GED (General Educational Development) certificate and have met basic skill requirements in reading, writing and math will be eligible for the MLT program. The program's pre-professional phase includes foundational courses in English, mathematics, science, health and general education. MLT students may enroll in required courses at MCCC or other regionally accredited colleges or universities. Equivalent course credits from other educational institutions may be transferred to Mercer with transcript evaluation. All transferred courses need to be completed within 10 years of the intended date of graduation to fulfill program requirements. CLEP (College Level Examination Program) tests

may be taken to demonstrate mastery of a course's subject matter that has been taken over 10 years ago. A course requirement may also be waived at the discretion of the MLT Program Coordinator and College Administrators. Students are required to take at least one prerequisite course at MCCC to generate an MCCC GPA (Grade point average). Many transfer students do this by fulfilling the HPE (Health/Physical Education) requirement at Mercer.

Professional Phase

The professional phase of the MLT program runs for 14 consecutive months. Each semester, students spend 2 or 3 days a week on the West Windsor campus attending lectures and laboratory sessions. This phase begins with the 'Introduction to Medical Laboratory Technology' course and then progresses to 200 level courses focusing on each laboratory discipline (i.e. Clinical Chemistry, Immunohematology, Hematology and Microbiology). Equivalent professional phase courses taken from other NAACLS accredited programs can be transferred to Mercer if the credits have been completed within 5 years of the intended date of graduation.

The program's Clinical Laboratory Practicum is offered at the end of the professional phase. Students are assigned to 640 hours of clinical experience over 4 months at one of Mercer's affiliate sites. Four rotations (one in each lab department) are completed in 16 weeks, Monday through Friday, 5 days a week for 8 hours a day. The clinical experience offers competency based instruction under the supervision of laboratory professionals. Students are evaluated in each of the 4 departments on their professionalism, technical skills and their application of laboratory testing principles to daily bench work. The practicum experience is coordinated by Mercer's MLT faculty in collaboration with contractual agreements from affiliate hospitals. Clinical rotations usually begin in March and continue through July. MCCC makes every effort to assure that all students in the professional phase of the program have a spot at a clinical site for the required Clinical Practicum. In the event that there are not enough spaces, students will be chosen first based on the highest GPA.

- Students need to be near completion of all MLT pre-professional requirements before petitioning for admission into the professional phase.
- A minimum grade of C or above needs be earned in all prerequisite courses within 2 attempts in order to count toward program requirements.
- A minimum GPA of 2.5 or above is required to enter the professional phase of the program.
- Petitioning applications are distributed during the month of February prior to the year of the professional phase the student wishes to enter.
- Students need to maintain a grade of C+ or above in all professional phase courses.
- If a minimum grade of C+ is not achieved in a professional phase course, it cannot be repeated until the following academic year.
- If a C+ or above is not earned in a professional phase course more than once, then the student will be ineligible to continue in the program.
- The professional phase must be completed within a 5 year period.

**MLT Curriculum
(A.A.S. Degree Requirements)**

CODE	COURSE (Lecture/Lab Hours)	CREDITS
	Pre-professional phase requirements:	
ENG 101	English Composition I (3/0)	3
ENG 112 *	English Composition II w/Speech (3/0)	3
MAT 135**	Intermediate Algebra (4/0)	4
CHE 101 Or CHE 107	General Chemistry I (3/3) Or General and Physiological Chemistry (3/2)	4
BIO 101 or 103	General Biology I or Anatomy & Physiology I (3/3)	4
BIO 102 or 104	General Biology II or Anatomy & Physiology II (3/3)	4
BIO 201	Microbiology (3/3)	4
HPE 110 or HPE 111	Concepts of Health and Fitness (1/2) or Living with Health (3/0)	2 or 3
	General Education Elective (3/0)	3
	General Education Elective (3/0)	3
	Total	34/35
	Professional phase requirements: (14 months)	
MLT 112	Introduction to Medical Laboratory Technology (2/3)	3
MLT 200	Clinical Chemistry (3/2)	4
MLT 207	Clinical Immunohematology (3/3)	4
MLT 212	Clinical Hematology (3/3)	4
MLT 214	Clinical Microbiology (5/3)	6
MLT 215	Clinical Practice (0/560 hours) 16 Weeks at an affiliate hospital (March-July)	10
	Total	31
	A.A.S. Degree Total	65/66

- *General Education electives: Information Systems Technology, Social Science, Humanities, Historical Perspective or Diversity and Global Perspective*
- **ENG 102 & CMN 111 or 112 may be substituted for ENG 112*
- *** MAT 140, 146, or 200 meets this requirement also*
- *MLT students are required to earn a minimum grade of C in all pre-professional phase courses and C+ in all professional phase courses within 2 attempts.*

Financial Aid Info: Students who did not complete a year of high school biology and/or chemistry are encouraged to take Mercer's BIO 113: Biological Science Concepts and/or CHE 100: Introductory Chemistry courses. However these courses are **not** covered by financial aid. Students in this situation who are using Financial Aid will need to take BIO103/BIO104 and CHE 107 in order for it to be covered.

MLT Program Accreditation

MCCC's Medical Laboratory Technology Program is accredited by:
NAACLS, the National Accrediting Agency for Clinical Laboratory Sciences
5600 N. River Rd. Suite 720,
Rosemont, IL 60018-5119.
Phone (773) 714-8880
<http://www.naacls.org>

Application Process (General College Admission)

Steps for applying to MCCC:

- Complete requirements for high school diploma or GED certificate
- Complete the MCCC online application (http://www.mccc.edu/admissions_application.shtml)
- Declare major as 'Medical Laboratory Technology'
- Take placement tests for English and mathematics courses if required
- An ESL (English as a Second Language) placement test is required for students who have a primary language other than English.
- Students who did not complete a year of high school biology and/or chemistry will be required to take Mercer's BIO 113: Biological Science Concepts and/or CHE 100: Introductory Chemistry courses. Equivalent courses may be taken at other regionally accredited colleges and universities
- Send all college transcripts to MCCC's Student Records Office
- Meet with the MLT Coordinator for advisement

Petition Information (Professional Phase)

It is recommended that students meet with the MLT Coordinator before petitioning for the professional phase in order to receive more information on the program. The petition form, available from the MLT Coordinator (MS 156) or online at www.mccc.edu/mltp needs to be submitted to the MLT Coordinator by February 28th. **All applicants must confirm receipt of the Petition by the department.** Applicants will be notified of their acceptance into the professional phase of the program in April. In May, new students attend an orientation session and begin classes.

Criteria for acceptance into the professional phase of the program are as follows:

- Date of matriculation into the MLT Program
- Completion of prerequisite courses with a grade of "C" or higher
- An MCCC GPA of 2.5 or above

- Those admitted to the professional phase will be expected to meet standard academic, technical and behavioral requirements as stated in each of the clinical course's objectives.
- Students who have had previous violations of MCCC's Academic Integrity Policy may Not be considered for the MLT program.

Transfer of Courses/Credits

Transfer credits will be awarded for any equivalent pre-professional phase course taken within the past 10 years with a grade of "C" or higher from a regionally accredited educational institution. Equivalent professional phase courses must have been completed within the past 5 years with a grade of C+ or higher from a NAACLS approved program.

Transferred credits are not included in the MCCC GPA.

To transfer credits, submit official college transcripts to:

MCCC
Student Records
PO Box 17202
Trenton, NJ 08690

Transcripts from a foreign educational institution need to be evaluated by an approved agency. Please see the following link for special instructions for international students:

http://www.mccc.edu/admissions_international_transfer-credits.shtml

Foreign transcript evaluations need to be sent to:

MCCC
Student Records
PO Box 17202
Trenton, NJ 08690

Health Requirements

MLT students are required to:

- Schedule a physical examination with required laboratory tests, the Hepatitis B vaccine series and other immunizations within 1 year of admission to the professional phase of the program.
- Submit the Mercer 'Health Professions Program Health Form' along with proof of health insurance to the Program Coordinator at the beginning of the professional phase
- Complete a drug screen within a month of beginning the clinical practicum

Criminal Background Check

Mercer's affiliated clinical sites require confidential criminal background checks on all MLT students. Depending on background check results, clinical sites will determine if a student is eligible for clinical practice. Previous criminal convictions may prohibit eligibility for this phase of the program.

Tuition, Costs and Program Fees

For current MCCC tuition rates please see: http://www.mccc.edu/admissions_tuition.shtml

Additional costs:

- Foreign transcript evaluation
- Course fees/Textbooks
- Physical exam/Immunizations
- Health & liability insurance
- Criminal background check/Drug screen
- Uniform for clinical practicum
- Transportation costs to and from assigned clinical site
- Graduation fee
- ASCP certification exam (not required but highly recommended)

Clinical Affiliations

1. Atlanticare Regional Medical Center: Pomona, NJ and Atlantic City, NJ
2. Centra State Health Care Center: Freehold, NJ
3. Cooper University Hospital : Camden, NJ
4. Hunterdon Medical Center: Flemington, NJ
5. Memorial Hospital of Salem County : Salem, NJ
6. Robert Wood Johnson University Hospital: Hamilton, NJ
7. The University Medical Center of Princeton: Plainsboro, NJ
8. Shore Medical Center : Somers Point, NJ
9. St. Mary Medical Center: Langhorne, PA
10. St. Francis Medical Center: Trenton, NJ

Career and Professional Society Websites

For more information on careers in Medical Laboratory Science please visit the following websites:

www.labscience.org

www.naacls.org

www.ascp.org

www.ascls.org

www.nca-info.org

www.asm.org

www.aacc.org

www.redcross.org

www.hematology.org

www.labtestsonline.org

www.aabb.org

Support Services for Differing Abilities

Mercer County Community College is committed to ensuring the full participation of all students in its programs. If you have a documented differing ability, or think that you may have differing ability that is protected under the ADA and section 504 of the Rehabilitation Act, please contact Arlene Stinson in LB 216 stinsona@mccc.edu for information regarding support services. If you do not have a documented differing ability, other support services are available to all students on campus including the Learning Center located in LB 214.

Financial Aid Application Statement for Syllabi

It is recommended that students complete an application for financial aid to determine eligibility for financial assistance. The application is FREE and available for completion **beginning October 1, 2016** for the 2017-18 academic year. Visit www.fafsa.ed.gov to complete your application. ***Applications should be completed before December 1, 2016.*** Students who are interested in MCCC Foundation scholarships are expected to complete an application as well.

Program Contact Information

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