



MEDICAL LABORATORY TECHNOLOGY

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WHAT IS A MEDICAL LABORATORY TECHNICIAN??



Have you ever wondered where your blood goes after it has been collected at your doctor's office? Or your throat swab? Check out the video and link below to see what goes on in a medical laboratory!

[Inside Mayo Medical Laboratory \(click link\)](#)



- To be successful in this field, you should do well in math and science and have **a lot** of curiosity! Medical laboratory technicians need to have an analytical mind, strong organizational skills, the ability to think independently and solve problems, and an attention to detail. Communication skills are critical, as MLTs must interact with other health care professionals and patients.

WHERE CAN I WORK?



- Medical laboratory technicians work in laboratories in a variety of practice settings, such as hospitals, urgent care centers, independent laboratories, physician offices and clinics, specialty or research laboratories, military and public health facilities, and industry.
- Do you like to be “behind the scenes? Laboratory technicians have the least hands-on interactions with patients. However, approximately 90% of physician medical treatment decisions are based on LABORATORY results. The impact you have on a patient’s life and treatment is significant!

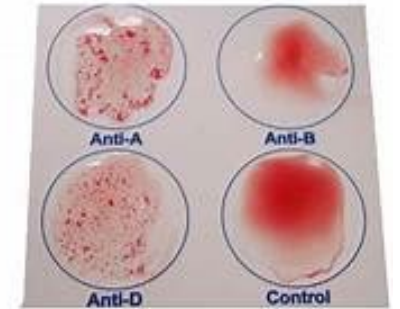
WHAT INTERESTING THINGS WILL I SEE IN A MEDICAL LABORATORY?



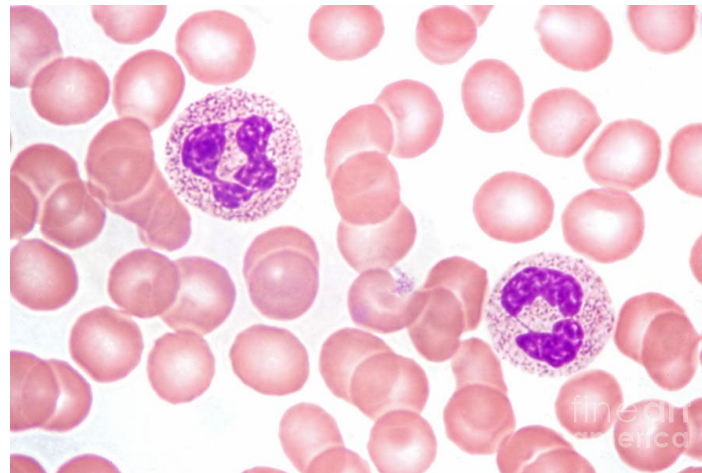
Bacterial cultures in Microbiology

HOW TO READ YOUR RESULTS

BLOOD TYPE	ANTI-A	ANTI-B	ANTI-D	CONTROL
O-POSITIVE	Red	Red	Red	Red
O-NEGATIVE	Red	Red	Red	Red
A-POSITIVE	Red	Red	Red	Red
A-NEGATIVE	Red	Red	Red	Red
B-POSITIVE	Red	Red	Red	Red
B-NEGATIVE	Red	Red	Red	Red
AB-POSITIVE	Red	Red	Red	Red
AB-NEGATIVE	Red	Red	Red	Red
INVALID	Red	Red	Red	Red



Antigen/Antibody agglutination reactions in
Blood Bank



The structure and identification of cells in Hematology



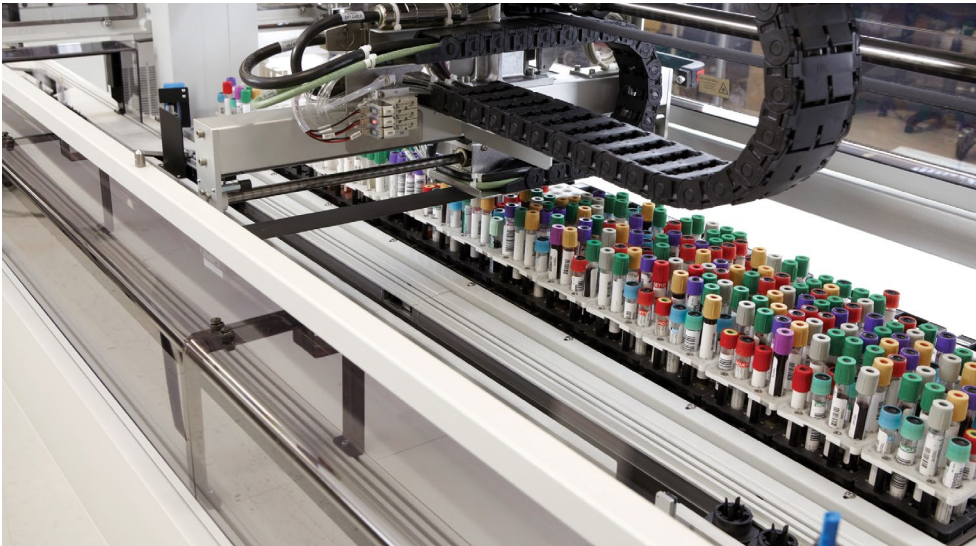
How blood analytes are measured in Clinical
Chemistry



You will also learn how to:

- Fix and troubleshoot laboratory analyzers
- Operate multiple platforms of software, learn how they communicate, and learn how they measure
- Perform maintenance

If you like to be on the cutting edge of technology, this is the field for you!





HOW MUCH DOES IT COST?

The MLT program is currently considered a HIGH DEMAND program which means the potential for \$0 tuition if you qualify! To qualify, you must fill out a FAFSA form (Free Application for Federal Student Aid). Step by Step instructions can be found online by visiting Financial Aid on the TTC Website.

It is HIGHLY recommended to visit the Financial Aid office on campus to discover what scholarships and other aid you may qualify for!

The MLT program also participates in Workforce Training. Workforce training pairs you with a participating employer that will employ you while in classes and pay for your tuition. You must apply and be accepted by the employer to participate in this program and there is a limited number of spots. Speak to your advisor if this is something you may be interested in for potential next steps.



CAN I GET A BACHELOR'S DEGREE? OR WHAT IF I ALREADY HAVE A BACHELOR'S DEGREE?

- YES!!!! There are MANY online options for obtaining your Bachelor's degree after graduation from TTC which will lead to more \$\$!
- If you currently have a Bachelor's degree, we will advise you of the possible routes for obtaining the higher level of certification of MLS (Medical laboratory Scientist)! Higher certification means more \$\$\$!





How long does it take to graduate?

There are TWO options for the MLT program:

- Full-time: 18 months to graduation
- Part-time: 28 months to graduation

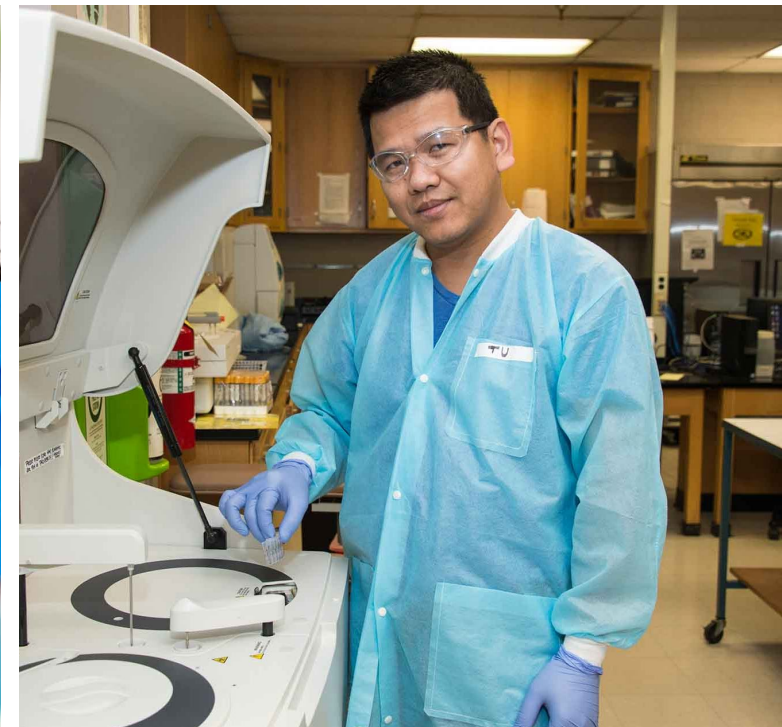
Once your application for the program is received, your MLT program advisor will provide you with a course curriculum schedule.

ARE CLINICAL ROTATIONS PART OF THE PROGRAM?

YES!

Clinical rotations occur at area hospitals during the 1st Summer (full time student) or 1st Fall (part time student), and the Spring of your 2nd and 3rd year (3rd year for part-time students).

During this time, you may have to make arrangements with your employer to attend clinical rotations days. Clinical rotations occur during the day only, Monday through Friday, for 8 hours each day (No weekends). Depending on the rotation, clinicals in the Summer and Fall are held 1 day per week, while Spring clinicals occur 4 days per week. This must be taken into consideration when applying for the MLT program since clinical rotations are **REQUIRED**.



NEXT STEPS:

IF YOU ARE INTERESTED IN THE MLT PROGRAM PLEASE DO THE FOLLOWING:

- 1. APPLY TO TTC**
- 2. APPLY TO HEALTH SCIENCES (INDICATE FOR MLT PROGRAM)**
- 3. VISIT THE STUDENT SUCCESS CENTER TO DECLARE YOUR MAJOR(S) AND BE ASSIGNED AN ADVISOR.**

MAJORS TO DECLARE: ASSOCIATE IN SCIENCE-HEALTH SCIENCE PREP AND CERTIFICATE IN HEALTH SCIENCE PREPARATION (DECLARING BOTH MAJORS ENSURES YOU WILL QUALIFY FOR THE MOST AID AVAILABLE).



WE LOOK FORWARD TO ASSISTING YOU ON YOUR JOURNEY TO BECOMING AN MLT PROFESSIONAL!



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