



B.S. IN MEDICAL TECHNOLOGY

CURRICULUM HIGHLIGHTS

- **100% job placement for graduates**
- **100% externship placement**
- **Personal attention**
- **State-of-the-art, on-campus facilities**
- **Work directly with outstanding, practicing faculty**
- **Fully accredited through the National Accrediting Agency for Clinical Laboratory Sciences**

No doctor can make a definitive medical diagnosis without lab tests and accurate results. That's where medical technologists come in.

Medical technologists conduct medical tests and procedures in hematology, clinical chemistry, molecular diagnostics, microbiology, parasitology, blood banking, urinalysis and other areas. They deliver precise, reliable results to physicians to ensure correct diagnoses and appropriate treatments.

Our accredited medical technology program combines biology, chemistry, physics and math courses. It prepares you for certification as a medical technologist.

You'll complete three years of basic science and pre-clinical course work and apply in the fall of your junior year to the clinical portion of our program. Acceptance into the clinical year is competitive. If you're accepted, you're guaranteed a clinical externship during your fourth year. This real-world experience in a hospital gives you invaluable, hands-on training in laboratory diagnostic procedures.

What to expect when you graduate

While many graduates with a B.S. in medical technology are employed in the clinical laboratory setting, career options are abundant in all areas of healthcare. As a medical technologist, you could specialize in biomedical research and development, organ transplantation, genetic testing, infection control, forensic testing and more.

FUELING TOMORROWS

College of Natural Sciences and Mathematics
Department of Biological Sciences
Catherine McCoy, director

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CURRICULUM OVERVIEW

Group campus tours are available Monday through Friday at 10 a.m. or 2:30 p.m., and on select Saturdays at 11:15 a.m.

Individual admission appointments are available by request. Individualized college or department visits also are available weekdays at 1:15 p.m. by appointment.

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First Year

FIRST TERM

NSM 1000	Natural Sciences & Math	2
BIOL 2170	Fund/Life Science Cells	4
BIOL 2180	Fund/Life Science Lab	1
CHEM 1230	General Chemistry I	4
CHEM 1280	General Chemistry Lab I	1
ENGL 1110	College Composition I	3

15 hours

SECOND TERM

BIOL 2150	Fund/Life Science Diversity	4
BIOL 2160	Fund/Life Science Lab	1
CHEM 1240	General Chemistry II	4
CHEM 1290	General Chemistry Lab II	1
ENGL 2950	Science/Tech Writing	3
MATH 1320	College Algebra	3

16 hours

Second Year

THIRD TERM

BIOL 3030	Cell Biology	3
CHEM 2410	Organic Chemistry I	3
CHEM 2460	Organic Chemistry Lab I (for non-majors)	1
MATH 2600	Intro to Statistics	3
	Social sciences core	3
	Arts/humanities core	3

16 hours

FOURTH TERM

BIOL 3010	Molecular Genetics	3
CHEM 2420	Organic Chemistry II	3
CHEM 2470	Organic Chemistry Lab II (for non-majors)	1
EXSC 2510	Human Anatomy	3
EXSC 2520	Human Anatomy Lab	1
MEDT 2010	Intro to Med Lab Tech	2
	Arts/humanities core	3

16 hours

Third Year

FIFTH TERM

BIOL 4050	Immunology	3
BIOL 4060	Immunology Lab	1
PHYS 2070	General Physics I	5
	Social sciences core	3
	Diversity of U.S.	3
	Apply for clinical year (terms 7-10) during this term.	

15 hours

SIXTH TERM

BIOL 3070	Human Physiology	3
PHYS 2080	General Physics II	5
BIOL 4030	Microbiology	3
BIOL 4040	Microbiology Lab	1
	Non-U.S. Diversity	3
	Must be accepted into the program at this point.	

15 hours

Fourth Year

SEVENTH TERM

MEDT 4020	Clinical Hematology	5
MEDT 4030	Clinical Urinalysis	3
MEDT 4100	Clinical Virology	2
MEDT 4080	Clinical Immunohemtology	5

15 hours

EIGHTH TERM

MEDT 4040	Clinical Chemistry	5
MEDT 4050	Clinical Microbiology	5
MEDT 4060	Clinical Immunology	3
MEDT 4070	Clinical Parasitology	2

15 hours

NINTH TERM

MEDT 4090	Clinical Mycology	2
MEDT 4950	Clinical Externship: Mgmt	1
MEDT 4500	Clinical Research/Correl	3
MEDT 4951	Clinical Externship: Micro	4

10 hours

TENTH TERM

MEDT 4952	Clinical Externship: Chem	4
MEDT 4953	Clinical Externship: Hema	3
MEDT 4954	Clinical Externship: Immun	3

10 hours

Total Hours 143

UToledo's medical technology degree program prepares you for certification as a medical laboratory scientist (medical technologist). You'll complete three years of course work and one year of clinical classes. Your final year includes a 22-week clinical externship at The University of Toledo Medical Center laboratory, ProMedica hospital laboratories or other, affiliated clinical laboratories.

Sample curriculum for the bachelor of science in medical technology.



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