



UNIVERSITY OF NORTH TEXAS™  
DEPARTMENT OF BIOLOGICAL SCIENCES

# BS- Medical Laboratory Sciences Degree for Catalog Year 2022-2023

## Biological Sciences Advising Office Information

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## Bachelor of Science with a major in Medical Laboratory Sciences

The BS-Medical Laboratory Sciences is a 3 + 1 program that requires a minimum of 88 semester hours of pre-professional courses with a minimum of 32 semester hours in approximately 12-16 months of clinical training in medical laboratory sciences. All pre-professional coursework must be completed prior to clinical training. Please note that to declare a major within the College of Science, students must be algebra proficient.

### Foundation Course Requirements

*Students in the BS-Medical Laboratory Sciences must complete the following courses with a C or better and at least a 2.5 overall GPA in these courses in order to take advance coursework for the degree.*

#### Biology Courses:

<u>UNT Course #</u>	<u>Course Name</u>	<u>Hrs.</u>	<u>TCCN #</u>
___ BIOL 1710	Biology for Science Majors I	3	BIOL 1306 or 1406
___ BIOL 1760	Biology for Science Majors Lab	2	
*Student can take BIOL 1750 (Introductory Biology Research Laboratory I) in place of BIOL 1760			
___ BIOL 2041/2042	Microbiology with Laboratory	4	BIOL 2421

#### Chemistry Courses:

<u>UNT Course #</u>	<u>Course Name</u>	<u>Hrs.</u>	<u>TCCN #</u>
___ CHEM 1410/1430	Chemistry for Science Majors I with lab	4	CHEM 1411
___ CHEM 1420/1440	Chemistry for Science Majors II with lab	4	CHEM 1412
___ CHEM 2370/3210	Organic Chemistry I with Laboratory	4	CHEM 2423

#### Math Courses:

<u>UNT Course #</u>	<u>Course Name</u>	<u>Hrs.</u>	<u>TCCN #</u>
___ MATH 1680	Elementary Probability and Statistics	3	MATH 1342 or 1442

### Other Degree Requirements

*Students in the BS-Medical Laboratory Sciences must complete the following courses in addition to the required CORE courses to graduate with the degree. For questions about CORE requirements, please contact an academic advisor at 940.369.8606.*

<u>UNT Course #</u>	<u>Course Name</u>	<u>Hrs.</u>	<u>TCCN #</u>
___ TECM 2700	Technical Writing	3	ENGL 2311
___ BCIS 2610	Intro to Computers in Business	3	BCIS 1305 or 1405

#### One of the following:

___ MGMT 3720	Organizational Behavior
___ MGMT 3721	Essentials of Organizational Behavior

## Major Requirements

*Students in the BS-Medical Laboratory Sciences must complete the following courses with a C or better and at least a 2.0 overall GPA in these courses in order to graduate with the degree.*

### Advanced Biology Courses:

<u>UNT Course #</u>	<u>Course Name</u>	<u>Hrs.</u>	<u>TCCN #</u>
___ BIOL 3381/3382	Medical Bacteriology with Laboratory	4	
___ BIOL 3510/3520	Cell Biology with Laboratory	4	
___ BIOL 4201/4202	Immunology with Laboratory	4	
One of the following:			
___ BIOL 3800/4510	Animal Physiology with Laboratory	4	
___ BIOL 2301/2311/2302/2312	Anatomy and Physiology I & II with lab	8	BIOL 2401 & 2402
At least two from the following:			
___ BIOL 3451/3452	Genetics with Laboratory	4	
___ BIOL 4091/4092	Parasitology with Laboratory	4	
___ BIOL 4300	Histology	4	
___ BIOL 4570	Molecular Biology of the Gene	3	
___ BIOL 3770	Biotechnology	3	*offered irregularly*

### Advanced Chemistry Courses:

<u>UNT Course #</u>	<u>Course Name</u>	<u>Hrs.</u>	<u>TCCN #</u>
___ BIOC 3621/3622	Elementary Biochemistry with Lab	4	

### Clinical Training:

*Students in the Medical Laboratory Sciences program must complete at least 32 hours of clinical training at an approved medical laboratory sciences clinical affiliate. Students must apply for acceptance into the affiliated clinical program of their choice. Admission to clinical programs are competitive, and completion of the required UNT coursework does not guarantee admission into a clinical affiliate. International students on F-1 visas should meet with the advisor upon entering the major to discuss clinical program options.*

*Students are strongly encouraged to meet with the Med Lab Coordinator every semester to discuss their progress in the program, starting with their first semester at UNT.*

*The University of North Texas is affiliated with the following schools of medical laboratory science which are approved by NAACLS (students wishing to attend a different clinical program should contact the medical laboratory sciences coordinator for information on possible temporary affiliations):*

- *Baylor Scott and White, Temple, TX*
- *Comanche County Memorial Hospital, Lawton, OK*
- *Houston Methodist Hospital, Houston, TX*
- *Parkview School of Medical Laboratory Science, Pueblo, CO*
- *Tarleton State University, Fort Worth, TX*
- *United Regional Health Care, Wichita Falls, TX*

### Additional Notes:

*This document is a tool to assist students but is not the official record. Please see the undergraduate catalog (catalog.unt.edu) for the official requirements, including CORE and overall university requirements. If you have questions, please see an advisor.*

*Please be aware that pre-requisites may apply to certain courses. Pre-requisites are subject to change and will be enforced.*