

## Bachelor of Science in Medical Technology

The Department of Biological Sciences offers a Bachelor of Science in Medical Technology in affiliation with the following schools of clinical laboratory science (medical technology) that are approved by the American Medical Association: Texas A&M University-Corpus Christi; Hillcrest Baptist Medical Center, Waco; Scott and White in Temple; Tarleton State University at All Saints Hospital, Fort Worth; The Methodist Hospital, Houston; The University of Texas M.D. Anderson Cancer Center, Houston; Wadley Regional Medical Center, Texarkana; and Wichita General Hospital, Wichita Falls.

Students complete a minimum of 99 semester hours at UNT (prior to entering clinical training) and a minimum of 12 months of clinical training (for a minimum of 39 semester hours) at any American Medical Association-approved school of medical technology to complete the degree.

Upon graduation, students are eligible to take national examinations given by the American Society of Clinical Pathologists (ASCP) and the National Certification Agency (NCA) for Medical Laboratory Personnel. The ASCP examination is administered by computer several times a year, and the NCA examination is in January and July. Upon passing the registry examination(s), the student is considered a certified medical technologist or a certified laboratory scientist. The awarding of the degree is not contingent upon students passing national board examinations. Medical Laboratory Technicians (MLTs) with an Associates Degree and who have completed MLT training in a Committee on Allied Health Education and Accreditation Program may reduce the time required in clinical training by being accepted into a Medical Laboratory Technicians Articulation Program at one of UNT's clinical affiliates.

### Degree Requirements

Candidates for the Bachelor of Science in Medical Technology must meet the following requirements.

- 1. Hours Required for the Degree:** Completion of a minimum of 138 total semester hours; 42 must be advanced.
- 2. General University Requirements:** See "General Degree Requirements" in the Academics section of this catalog.
- 3. University Core Curriculum:** Minimum 44 hours. See specific degree plan for exact hours.
- 4. Major Requirements:** Completion of 12 months of clinical training (for a minimum of 39 semester hours) at any American Medical Association approved school of medical technology to complete the degree. See "Supplemental Information" below.
- 5. Electives:** See degree plan.
- 6. Other Course Requirements:** BIOL 1710/1730, 2040, 3380, 3800/3810 and 4200, plus three courses to be selected from BIOL 3450, 3510/3520, 3600 or 4090; CHEM 1410 or 1413/1430, 1420 or 1423/1440, 3600 and 3610; BIOC 3620; MATH 1100 and 1680 (Students who have taken MATH 1100 or equivalent should take PSYC 1630); MGMT 3820.
- 7. Other Requirements:** A minimum 2.5 grade point average for upper-division courses in the sciences. See "Supplemental Information" below for additional requirements.

DRED (Traffic Safety) courses may not be used to satisfy any portion of a degree in the College of Arts and Sciences.

## BS in Medical Technology

*Following is **one** suggested four-year degree plan. Students are encouraged to see their adviser each semester for help with program decisions and enrollment.*

### BS in Medical Technology

#### FRESHMAN YEAR

FALL	HOURS
BIOL 1710, Principles of Biology I	3
BIOL 1730, Biology I Laboratory	1
CHEM 1410, General Chemistry <sup>10</sup>	3
CHEM 1430, General Chemistry Laboratory	1
ENGL 1310, College Writing I	3
MATH 1100, College Algebra <sup>4</sup>	3
Visual and Performing Arts <sup>7</sup>	3
Wellness <sup>11</sup>	<u>2-3</u>
Total	19-20

#### FRESHMAN YEAR

SPRING	HOURS
BIOL 2040, Biology of Microorganisms	4
CHEM 1420, General Chemistry <sup>10</sup>	3
CHEM 1440, General Chemistry Laboratory	1
ENGL 2210, World Literature I <sup>6</sup>	3
MATH 1680, Elementary Probability and Statistics	3
CSCI <sup>1</sup>	<u>3</u>
Total	17

#### SOPHOMORE YEAR

FALL	HOURS
CHEM 3600, Organic Chemistry	4
ECON 1110, Macroeconomics	3
ENGL 2220, World Literature II	3
HIST 2610, United States History to 1865 <sup>12</sup>	3
BIOL (advanced) <sup>24</sup>	<u>4</u>
Total	17

#### SOPHOMORE YEAR

SPRING	HOURS
BIOL 3380, Medical Bacteriology	4
BIOC 3620, Elementary Biochemistry	4
ENGL 2700, Technical Writing	3
HIST 2620, United States History from 1865 <sup>12</sup>	3
Oral Communication <sup>2</sup>	<u>3</u>
Total	17

#### JUNIOR YEAR

FALL	HOURS
BIOL 3800, Animal Physiology	3
BIOL 3810, Animal Physiology Laboratory	1
MGMT 3820, Principles of Management	3
PSCI 1040, American Government	3
BIOL (advanced) <sup>24</sup>	4
Understanding of Ideas and Values <sup>8</sup>	<u>3</u>
Total	17

#### JUNIOR YEAR

SPRING	HOURS
BIOL 4200, Immunology	4
CHEM 3610, Quantitative Techniques	4
PSCI 1050, American Government	3
BIOL (advanced) <sup>24</sup>	4
Understanding of Ideas and Values <sup>8</sup>	<u>3</u>
Total	18

#### SENIOR YEAR

FALL	HOURS
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Before attendance at a school of clinical laboratory science (medical technology) approved by the American Medical Association, student must apply and be accepted by the school. A minimum of 39 hours of professional medical technology courses during approximately 12 months is required to complete the senior year of this program. Successful completion of the first three years does not guarantee admission into a school of clinical laboratory science. Contact the Medical Technology Program Director.

SPRING	HOURS
Total	39

*Actual degree plans may vary depending on availability of courses in a given semester.*

*Some courses may require prerequisites not listed.*

*See Arts and Sciences folding key (#2) for footnotes.*

### Summary of Degree Requirements:

Professional Courses:	39
Biology Minor (24 advanced):	32
Chemistry:	20
Management:	3
Core:	
English	12
History	6
Political Science	6
Wellness	2-3
Economics	3
Mathematics	6
Understanding of Ideas and Values	6
Visual and Performing Arts	3
Computer Science Proficiency:	0-3
Oral Communication Skills Proficiency:	0-3

### Note:

A minimum GPA of 2.5 is required on all advanced science courses.

All preprofessional courses must be completed prior to clinical training.

42 hours must be advanced;

24 advanced hours must be taken at UNT.

24 of the last 30 hours must be completed at UNT.

### Supplemental Information for BS in Medical Technology

1. Submission to the program director of a transcript evaluation request, including the name(s) of medical technology school(s) where the student is applying.
2. Filing, in the program supervisor's office before leaving campus, the name of an accredited medical technology school to be attended.
3. Satisfactory completion of a minimum of 12 months of professional training at an approved medical technology school as verified by an official transcript sent to the UNT medical technology program director. The transcript is evaluated by the director who recommends to the dean of the College of Arts and Sciences and the Registrar that a minimum of 39 hours of credit be granted for the completed professional training. These hours are exempt from the UNT residency requirement.

### Minor in Biological Sciences

A minor in the biological sciences can be satisfied by completing the BA core, BIOL 1710/1730, 1720/1740 and 2040, plus 8 hours of upper division laboratory courses (excluding BIOL 3600, 4300 and 4900) selected in consultation with an adviser in the Department of Biological Sciences.