

MEDICAL LABORATORY SCIENCE

Two-Year Program Leading to a Bachelor of Science in Medical Laboratory Science

Required Prerequisite Courses for Application into Medical Laboratory Science

Application for Fall 2025

COURSE TITLE	TCCNS COURSE NUMBER	SEMESTER CREDIT HOURS
English Composition I	ENGL 1301	3
English Composition II	ENGL 1302	3
<i>Mathematics Core</i> College Algebra or higher	MATH 1314	3
<i>Language, Philosophy and Culture Core</i> Courses in humanities, literature, philosophy, modern or classical language, cultural studies or equivalent		3
<i>Creative Arts Core</i> Courses in arts, dance, music appreciation, music, drama or equivalent		3
United States History I	HIST 1301	3
United States History II	HIST 1302	3
Federal Government	GOVT 2305	3
Texas Government	GOVT 2306	3
<i>Social and Behavioral Science Core</i> Courses in anthropology, economics, psychology, sociology, social work or equivalent		3
Anatomy and Physiology I or Biology I	BIOL 2401 or 2301+2101 BIOL 1406 or 1306+1106	4
Anatomy and Physiology II or Biology II	BIOL 2402 or 2302+2102 BIOL 1407 or 1307+1107	4
General Chemistry I with lab	CHEM 1411 or 1311+1111	4
General Chemistry II with lab	CHEM 1412 or 1312+1112	4
Organic Chemistry I with lab	CHEM 2423 or 2323+2123	4
Organic Chemistry II with lab or Biochemistry	CHEM 2425 or 2325+2125	4
Microbiology This course is recommended, but not required.	BIOL 2421 or 2321+2121	4
<i>Elective Courses</i> You have the flexibility in completing any college-level course of your preference. Remedial-level, developmental-level or workforce courses will not be accepted.		2
Total number of semester credit hours		60

Applicants to the **two-year** program in Medical Laboratory Science should have the **majority of prerequisite courses completed at the time of application.** The prerequisite courses may be taken at any regionally accredited college/university with a grade of C- or better. Courses are listed using the Texas Common Course Numbering System (tccns.org).

Admissions into the program is competitive. Learn more at mdanderson.org/SHPPapply.



Medical Laboratory Science Two –Year Track Fall 2025 Admission

Frequently Asked Questions

Making Cancer History®

1. When do I turn in my admission application for Fall 2025?

The application will be available starting September 15, 2024. You should submit the application, transcripts of each college attended, essay and three professional recommendation forms before the priority deadline of April 1, 2025. To ensure documents are received before the priority deadline, it's recommended that you apply months before the deadline.

2. Can I apply for Spring or Summer admissions?

No. Students enter the program once a year in the Fall semester.

3. I've not finished with all the prerequisite courses. Can I still apply for admission?

Yes, if the majority of the prerequisite courses are completed, you may apply for admission. The more prerequisite courses you have completed at the time of application, the better. Admitted students must have no more than 3 missing prerequisite courses by the first day of enrollment in the School of Health Professions.

For this purpose, please note that a science course with a corresponding lab, is considered one course and not two courses, e.g. Human Anatomy and Physiology lecture and lab.

4. What factors are considered in the [admission process](#)?

Admissions to the program is competitive and holistic. This means that an admissions committee will look at all the factors below when admitting a student. Meeting the minimum requirement does not guarantee acceptance.

- (1) A minimum of 2.50 in both your overall GPA and science GPA
- (2) Number of completed prerequisite courses at the time of application
- (3) Essay (the essay prompt will appear on the online admission application)
- (4) Three Professional Recommendation Forms
- (5) Interview

5. When will I receive my admission decision?

Completed applications that meet the all minimum admission factors will be contacted for an interview. An admissions decision will be completed May 2025.

6. I was accepted for Fall 2025 to the Medical Laboratory Science 2-year program. Due to a few lacking prerequisite courses, I was accepted into the program conditionally. What is the deadline to complete my outstanding prerequisite courses?

By the first day of enrollment in the School of Health Professions, you can have a maximum of 3 outstanding prerequisite courses. These outstanding prerequisite courses must be completed no later than August 2026. Our recommendation is to finish the course as soon as possible.

Medical Laboratory Science Two –Year Track Fall 2025 Admission

Frequently Asked Questions

Making Cancer History®

7. I already hold a bachelors degree. Can I apply for this program?

Yes, you can apply. Upon graduation you will earn a second bachelors degree.

8. I already hold a bachelors degree. Can you waive all the prerequisite courses?

No, despite holding a prior degree, prerequisite requirements cannot be waived. However, applicable courses from your prior degree may be used toward the prerequisite requirements.

9. Can I enroll in classes part-time?

No, enrollment is only offered full-time. View the courses you will complete during this 2-year program [here](#).

10. Where is the School located?

The School is located at 1515 Holcombe Blvd, Houston, TX 77030 inside MD Anderson's Main Building.

11. What is a clinical rotation?

As part of the learning process, you will complete approximately 480 hours of guided clinical rotation hours. Clinical rotations allow you to apply your knowledge gained from the classroom and labs to the real life medical setting.

12. When I graduate, what degree will I earn?

You will earn a bachelor of science degree from The University of Texas MD Anderson Cancer Center.

13. What does it mean to be board certified?

Upon graduation, you will have the opportunity to take a board of certification exam offered by the [American Society for Clinical Pathology](#). This is the gold standard in global certification for medical laboratory professions. Passing the certification exam can result in improved job prospects and higher salaries. You will be certified as a medical laboratory scientist (MLS). You will have career opportunities in:

- Blood Banking
- Bone Marrow
- Chemistry/Urinalysis
- Donor Services
- Flow Cytometry
- Hematology/Hemostasis
- HLA and Molecular Diagnostics
- Microbiology
- Point-Of-Care Testing
- Stem Cell Transplantation

This is not all-inclusive.