

CYTOGENETIC TECHNOLOGY

Two-Year Program Leading to a Bachelor of Science in Cytogenetic Technology

Required Prerequisite Courses for Application into Cytogenetic Technology

Application for Fall 2025

Applicants to the two-year program in Cytogenetic Technology may apply for admissions when the majority of prerequisite courses are completed. 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 (tcns.org).

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

Flexible enrollment options for this program include full-time, part-time and online. Students selecting part-time enrollment will complete their degree beyond two-years, depending on course selections each semester.

International students are NOT eligible for part-time or online options due to U.S. Immigration and Customs Enforcement (ICE) regulations.



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
<i>Biological Sciences (choose 2 courses)</i> Recommended courses include, but are not limited to: <ul style="list-style-type: none"> Biology I Biology II Anatomy and Physiology I Anatomy and Physiology II Microbiology Genetics 	BIOL 1406 or 1306+1106 BIOL 1407 or 1307+1107 BIOL 2401 or 2301+2101 BIOL 2402 or 2302+2102 BIOL 2421 or 2321+2121 BIOL 2416 or 2316+2116	8
<i>Chemistry (choose 4 courses)</i> Recommended courses include, but are not limited to: <ul style="list-style-type: none"> General Chemistry I General Chemistry II Organic Chemistry I Organic Chemistry II Biochemistry 	CHEM 1411 or 1311+1111 CHEM 1412 or 1312+1112 CHEM 2423 or 2323+2123 CHEM 2425 or 2325+2125	16
<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.		6
Total number of semester credit hours		60

Cytogenetic Technology Two –Year Track

Fall 2025 Admission

Frequently Asked Questions

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 Cytogenetic Technology 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. General Chemistry 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 all three areas: Overall GPA, science GPA and prerequisite 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 are reviewed on a rolling basis. Therefore, you are encouraged to apply early and will be notified by the Admissions Review Committee for an interview. The earlier you apply, the earlier you will receive an admission decision.

6. I was accepted for Fall 2025 to the Cytogenetic Technology two-year track. 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.

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.

Cytogenetic Technology

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9. Can I enroll in classes part-time?

Yes, enrollment is offered full-time or part-time. View the courses and details [here](#).

10. Do you offer an on-line option?

During the first year in the Cytogenetic Technology program, classes are offered virtually. However, you are welcome to be on campus to attend class lectures or to study. International students are required to be on campus for virtual lectures in compliance with ICE regulations.

During the second year, you have two options for course delivery: face-to-face or on-line. If you select the on-line option, lectures are online and you will attend a consolidated one-week lab session at the conclusion of each semester. View the details [here](#).

11. I am an international student. Can I apply for this program?

Yes, international students may apply for the full-time program. However, International students are NOT eligible for part-time or online options due to U.S. Immigration and Customs Enforcement (ICE) regulations.

12. Where is the School located?

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

13. What is a clinical rotation?

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

14. Where will I complete the clinical rotation?

Clinical rotations are offered in reference labs and medical institutions across the United States. Rotations sites are first-come, first-served. View the list [here](#) under "clinical affiliations."

If admitted into the program, you will be provided a list of clinical sites to select from. Therefore, it is to your advantage to apply as early as possible.

15. 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.

16. 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 Cytogenetic Scientist.

17. How can I learn more about the program?

You can attend the monthly information session. View the schedule [here](#).