MASTER’S DEGREE IN
BIOTECHNOLOGY

The Biotechnology graduate program at UT Health Northeast provides students with marketable skills and qualifications for work in the high-tech biotechnology industry, as well as the academic foundation necessary to pursue further medical and professional studies. Our program is a two-year, thesis-based program where students engage in hands-on, laboratory-based teaching in scientific research taught by world-class, NIH-funded biomedical research faculty.

What makes UT Health Northeast different from other Master’s degree programs?

UT Health Northeast is not your “typical” academic university. We are a medical research center and research hospital combined. All of our professors are currently working on various biomedical research projects in areas such as the flu, tuberculosis, chronic lung injury, thrombosis, immunology, gene therapy, aging, cell physiology, cell imaging, and others. Our students complete rotations during their first semester in the program and join a research lab in their second semester via a matching process similar to that used by medical residency programs. Learn state-of-the-art techniques such as single-molecule imaging using high-tech instrumentation such as super-resolution microscopy, confocal microscopy, and more!

It takes a village...

Students in the biotechnology program benefit from a high faculty-to-student ratio, small classroom cohorts, and one-on-one interaction with faculty. All faculty and staff get to know the students by name and become closely involved in students’ research as well as their education, providing a team-based learning experience not typical of larger graduate programs and universities.

For more information, please visit our website: www.uthct.edu/biotech

FULL SCHOLARSHIPS AND GRADUATE ASSISTANTSHIPS ARE AVAILABLE!

UT Health Northeast offers scholarships and graduate assistantships to entering students. The number of assistantships and scholarships available is based on the number of applicants and the availability of funds. Apply now!

What are my career options?

What industries use biotechnology?

Bio-Pharma & Drug Development
Medical Diagnostics
Clinical Research & Medicine
Biomedical Research
Forensic Science
Bio-Engineering
Advanced Degrees (MD or PhD)

As a student in the Biotechnology Program, you will gain hands-on experience with the tools of biotechnology such as:

- Single-molecule Imaging
- Gene Manipulation & Protein Expression
- Mass Spectrometry
- Surface Plasmon Resonance
- Confocal Microscopy
- Pre-Clinical CT Scanning