



Molecular Genetic Technology

Bachelor of Science

THE UNIVERSITY OF TEXAS
**MD Anderson
Cancer Center**

Making Cancer History®

Molecular Genetic Technology

Molecular Genetic Technology studies genes at a molecular level by using advanced technology to examine their structure, function, inheritance, and the impact of mutations or DNA sequence changes. This information is used to advance our knowledge of genetic diseases, develop genetic therapies, and improve DNA based diagnostic methods. In practical application, Molecular Genetic Technologists are specialists who perform genetic tests on samples like blood, saliva, tumors, amniotic fluid, and bone marrow. They can use their expertise to identify disease-causing mutations and help diagnose diseases, tailor treatments and monitor responses; they can also contribute to forensic science by assisting in human identification and the handling of mass casualty events by providing DNA-based analysis.

The program in Molecular Genetic Technology immerses students in the major disciplines of clinical molecular genetics analysis and testing using some of the most sophisticated equipment and techniques available. The program faculty and clinical mentors provide students with an unparalleled depth of experience and knowledge that prepares them for internships at world renowned molecular genetics laboratories.

Careers

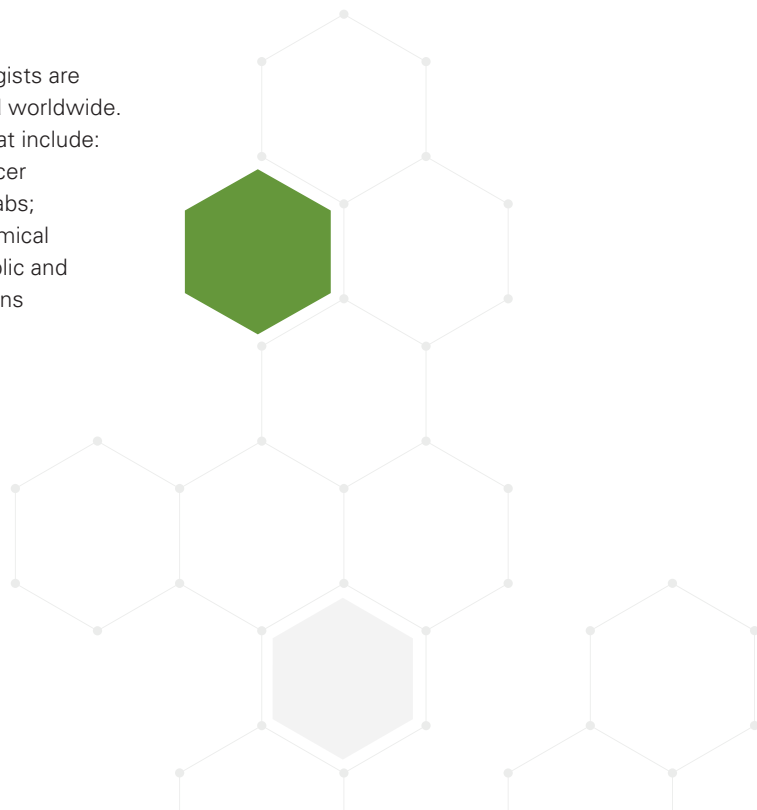
Certified clinical molecular genetic technologists are in high demand within the United States and worldwide. They have a wide range of career options that include: molecular genetics research labs within cancer treatment and research centers; pathology labs; pediatric and genetic counseling clinics; chemical industry labs; biotechnology companies; public and private forensic labs; and academic institutions

Clinical education

The Molecular Genetic Technology faculty combine classroom lectures with bench work in student laboratories that contain highly specialized, state-of-the-art equipment. This environment ensures that students are well prepared and ready to participate in the 480 hours of guided clinical rotations at MD Anderson clinical affiliation sites within the Texas Medical Center and beyond.

- **In-person program**
- **Admits new students Fall semester only**
- **Full-time enrollment**
- **Degree completion in 1 or 2 years**

[Molecular Genetic Technology](#)
[Current affiliations](#)



Competitive Application Process

The School of Health Professions admits new students once a year for entry each Fall semester.

Applicants will be selected through competitive and holistic admission process. A minimum overall GPA, prerequisite GPA, and prerequisite science GPA of 2.50 on a 4.0 scale is required for application. Meeting the minimum GPA does not guarantee acceptance.

Required documents for application:

- Prerequisite coursework
- Online application, including essay
- Three professional recommendation forms
- Official transcript from each college attended
- TOEFL exam scores for international applicants
- Foreign college transcript should include a course-by-course and grade-by-grade evaluation from an approved agency

For a complete list of admission requirements, application deadlines, admission forms and a list of the prerequisite course requirements, visit www.mdanderson.org/SHPapply



[Learn more](#)
about the
undergraduate
application



[Learn more](#)
about the School of
Health Professions

Estimated costs

Based on 15 semester credit hours

Texas resident	Tuition and Fees \$2,300
	Books and Supplies \$650
Non-resident	Tuition and Fees \$8,400
	Books and Supplies \$650

Tuition and fees

Cost of books and supplies vary by program. All students are required to be covered by health insurance. This expense is not reflected above.

Financial aid

More than 87% of students attending the School of Health Professions receive some form of financial aid. Learn more about federal student aid and complete the Free Application for Federal Student Aid (FAFSA) online at www.studentaid.gov

While there is no application deadline for financial aid, it is recommended that students complete the required documents as soon as possible to be considered for institutional funds. Students should select the appropriate school code to avoid delays in the award process.

FAFSA code: 017249

Scholarships

The School of Health Professions offers both guaranteed and competitive scholarships to newly admitted students.



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about tuition
and fees



[Learn more](#)
about financial aid
and scholarships