The University of Texas MD Anderson Cancer Center

**Earn your degree from the leading institution**
Our graduates earn a Bachelor of Science degree from MD Anderson Cancer Center, an internationally-recognized institution that is renowned throughout the United States and worldwide for its innovation in patient care, research, education and disease prevention.

**Exceptional education and clinical training**
Our students acquire specialized skills from world renowned experts through hundreds of hours of clinical rotations or internships, classroom instruction, hands-on laboratory practice, and interactive training in affiliated hospital clinics and/or research laboratories.

**Numerous employment opportunities**
Graduates are board licensed in their respective career fields, allowing them to work in a clinical, diagnostic or patient care setting. Having gained extensive clinical training as part of their education, our graduates are recruited by MD Anderson and other leading health care organizations.

Quick Facts

**The University of Texas MD Anderson Cancer Center is ranked No. 1 for cancer care by U.S. News and World Report’s “Best Hospitals” survey.**

- **MD Anderson was created in 1941 as part of The University of Texas System.**
- **Located in the Texas Medical Center, just minutes from downtown Houston.**
- **2024-2025 Estimated tuition and official fees for 15 semester credit hours.**
- **All students participate in clinical education or internships and gain professional field experience.**
- **School of Health Professions students routinely score in the top 25% on national certification exams.**
- **The 10:1 student-to-faculty ratio means a small class size, which ensures individual attention.**
### Clinical Laboratory Science
Medical Laboratory Scientists conduct a wide variety of laboratory tests on blood, tissue, body fluids and other samples, providing vital information needed to diagnose and treat disease. Medical laboratory scientists work in many different specialties including Clinical Chemistry, Hematology, Blood Banking and Microbiology.

### Cytotechnology
Cytotechnologists play a critical role in detecting disease. They use their expertise to examine human cells, looking for the subtle clues that signal a presence of disease. Cytotechnologists are versatile, highly specialized members of the Anatomic Pathology team. They work closely with pathologists and are primarily focused on microscopically identifying infectious agents and abnormal cellular changes, including those associated with cancer.

### Histotechnology
Histotechnologists are experts in preparing, staining surgical and biopsy tissue specimens for microscopic review by the surgical pathologist. They are vital team members in pathology labs, basic science research labs, and veterinary medicine labs. Histotechnologists assist the pathologist to analyze sections of tissue specimens surgically removed from a patient. The tissue sample is tested to identify evidence of disease, such as cancer and cellular abnormalities.

### Cytogenetic Technology
A Cytogenetic Technologist is a laboratory specialist who identifies chromosomal abnormalities. Cytogenetic technologists use cellular and molecular techniques to study chromosomes in order to diagnose diseases, track the effectiveness of therapies, or to predict genetic diseases that may develop. Cytogenetic technologists look for changes in chromosomes, including broken, missing, rearranged, or extra chromosomes. These changes in the chromosomes can result in fertility problems, birth defects, and cancers.

### Molecular Genetic Technology
Molecular Genetic Technology studies the structure and function of genes at the molecular level to identify genetic mutations that cause disease, allow monitoring of treatment response, and aid in human identification. Molecular Genetic Technologists can perform a variety of genetic tests on human specimens such as blood, saliva, tumors, amniotic fluid and bone marrow. They provide crucial genetic information used to diagnose, treat and monitor a patient’s condition as well as aid in forensic investigations and mass casualties. It is diagnostic laboratory testing at the DNA level.
Context:

- **Diagnostic Imaging** uses cutting-edge and sophisticated technologies to create images that physicians use to diagnose and evaluate disease processes. After completing the radiography curriculum, students can choose from five specializations, including Computed Tomography (CT), Vascular Interventional Radiography (VIR), Magnetic Resonance Imaging (MRI), Education, or Management. Each specialization equips graduates with the necessary skills and knowledge to excel in their chosen field within Diagnostic Imaging.

- **Diagnostic Medical Sonography** uses high frequency sound waves to produce dynamic images of internal organs, tissues and blood flow. A Sonographer uses the ultrasound equipment to create images of structures inside the human body for medical diagnosis.

- **Medical Dosimetry** creates individualized precision radiation treatment plans designed to target cancer, while sparing the surrounding normal tissue. Medical Dosimetrists apply science, math, and computer skills to produce radiation treatment plans for cancer patients.

- **Radiation Therapy** are vital members of the Radiation Oncology team. They specialize in planning and delivering radiation therapy while providing the highest level of safe, accurate and personalized treatment to cancer patients.

**Competitive Application Process**

The School of Health Professions admits new students once a year for entry each Fall semester. The degree program in Health Care Disparities, Diversity and Advocacy is the only program that admits new students for both the Fall and Spring semester.

Applicants will be selected through a competitive and holistic admission process. A minimum overall GPA and 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
- Foreign college transcript should include a course-by-course and grade-by-grade evaluation from an approved agency

For application deadlines, admission forms and a list of the prerequisite course requirements, visit [www.mdanderson.org/SHPapply](http://www.mdanderson.org/SHPapply)
Accreditation

The University of Texas MD Anderson Cancer Center is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award baccalaureate, masters, and doctorate degrees. Contact the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of The University of Texas MD Anderson Cancer Center.

The School’s baccalaureate programs are accredited or approved by nationally recognized agencies, including the:

- **Commission on Accreditation of Allied Health Education Programs (CAAHEP)**
  
  35 E. Wacker Dr., Suite 1970  
  Chicago, IL 60601  
  312-553-9355  
  CAAHEP.org

- **Commission on Colleges of the Southern Association of Colleges and Schools (SACSCOC)**
  
  1866 Southern Ln.  
  Decatur, GA 30033-4097  
  404-679-4500  
  Fax: 404-679-4558  
  SACSCOC.org

- **Joint Review Committee on Education in Radiologic Technology (JRCERT)**
  
  20 W. Wacker Dr., Suite 2850  
  Chicago, IL, 60606  
  312-704-5300  
  JRCERT.org

- **National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)**
  
  5600 N. River Road, Suite 720  
  Rosemont, IL 60018  
  773-714-8880  
  NAACLS.org

Graduates of the Diagnostic Medical Sonography program are eligible to take the national registry examination offered by the American Registry of Diagnostic Medical Sonographers (ARDMS) under category 3A, ARDNS.org