

A woman with dark hair, wearing safety glasses and a white lab coat, is holding a test tube with a blue glove. The background is a blurred laboratory setting. A blue geometric overlay is on the right side of the image.

School of Health Professions

Virtual Viewbook
2025-26 Enrollment

THE UNIVERSITY OF TEXAS
MD Anderson
~~Cancer~~ Center
Making Cancer History®



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 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 degree, our graduates are recruited by MD Anderson and other leading health care organizations.



Quick Facts



MD Anderson was created in 1941 as part of The University of Texas System.



2025-2026 Estimated tuition and official fees for 15 semester credit hours.



Guaranteed \$500 minimum scholarship for all eligible students.



School of Health Professions students routinely score in the top 25% on national certification exams.



Located in the Texas Medical Center, just minutes from downtown Houston.



All students participate in clinical education or internships and gain professional field experience.



The 10:1 student-to-faculty ratio means a small class size, which ensures individual attention.

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.

Message from the Dean

Our School of Health Professions students have a unique learning experience working at the nation's leading cancer center and training directly with our expert faculty. Students acquire specialized skills through classroom instruction, hands-on practice with state-of-the-art equipment and clinical experience in affiliated hospital clinics and/or research laboratories across the country, as well as provide career pathways for professionals in healthcare analytics and advocacy. They also learn and develop the interprofessional communication and teamwork skills needed for collaborative patient-centered care. As a result, our graduates are often recruited by MD Anderson and other leading health care organizations in the Texas Medical Center, elsewhere in Texas and nationwide.

I invite you to look through this viewbook to learn more about our degrees in rewarding, and well-compensated, healthcare careers.



Kimberly Hoggatt Krumwiede, Ph.D.
Dean

School of Health Professions

Secured by a prestigious reputation and recognized for excellence in cancer care and academics, the School of Health Professions at MD Anderson Cancer Center provides rigorous degrees in allied health and biomedical sciences in a vibrant learning environment connected to a thriving hub of scientific collaborations at the prestigious Texas Medical Center.



Degree Pathway

1

Prerequisites

Complete all necessary prerequisites for each program. If you have already earned a bachelor's degree, you may apply to one of our programs with the goal of earning a second bachelor's degree.



2

Competitive Application Process

Pay careful attention to the Priority Deadline date. Start your application to one of our specialized programs as early as possible. Although acceptance into the programs is highly competitive, each application is carefully reviewed by an admissions committee that considers not only academic achievement, but also other important factors that include communication skills and experience in the field either in a professional capacity or as a volunteer or intern. Admission interviews are conducted by invitation only.

3

Enrollment

School of Health Professions students attend classes taught by expert faculty in the School of Health Professions' state-of-the-art classrooms and laboratories located at our Texas Medical Center facilities.

4

Clinical Education

As part of the curriculum, students first rotate through MD Anderson's research and clinical areas and may gain further experience at affiliated local and out-of-state clinical laboratories, and outpatient diagnostic and radiologic treatment centers. As a result, our graduates have the knowledge and skills to work in a wide variety of settings and have established a working relationship with potential employers.

5

Graduation

Our graduates earn a Bachelor of Science degree from The University of Texas MD Anderson Cancer Center, an institution that is respected throughout the United States and worldwide for its innovation in patient care, research, education and prevention.

6

Certification

Students who have graduated become eligible to take the Certification Examination in their respective field. Certification is usually a requirement for employment in all program areas, and our graduates have a long history of passing certification exams on the first attempt.

7

Post Graduation Options

Employment

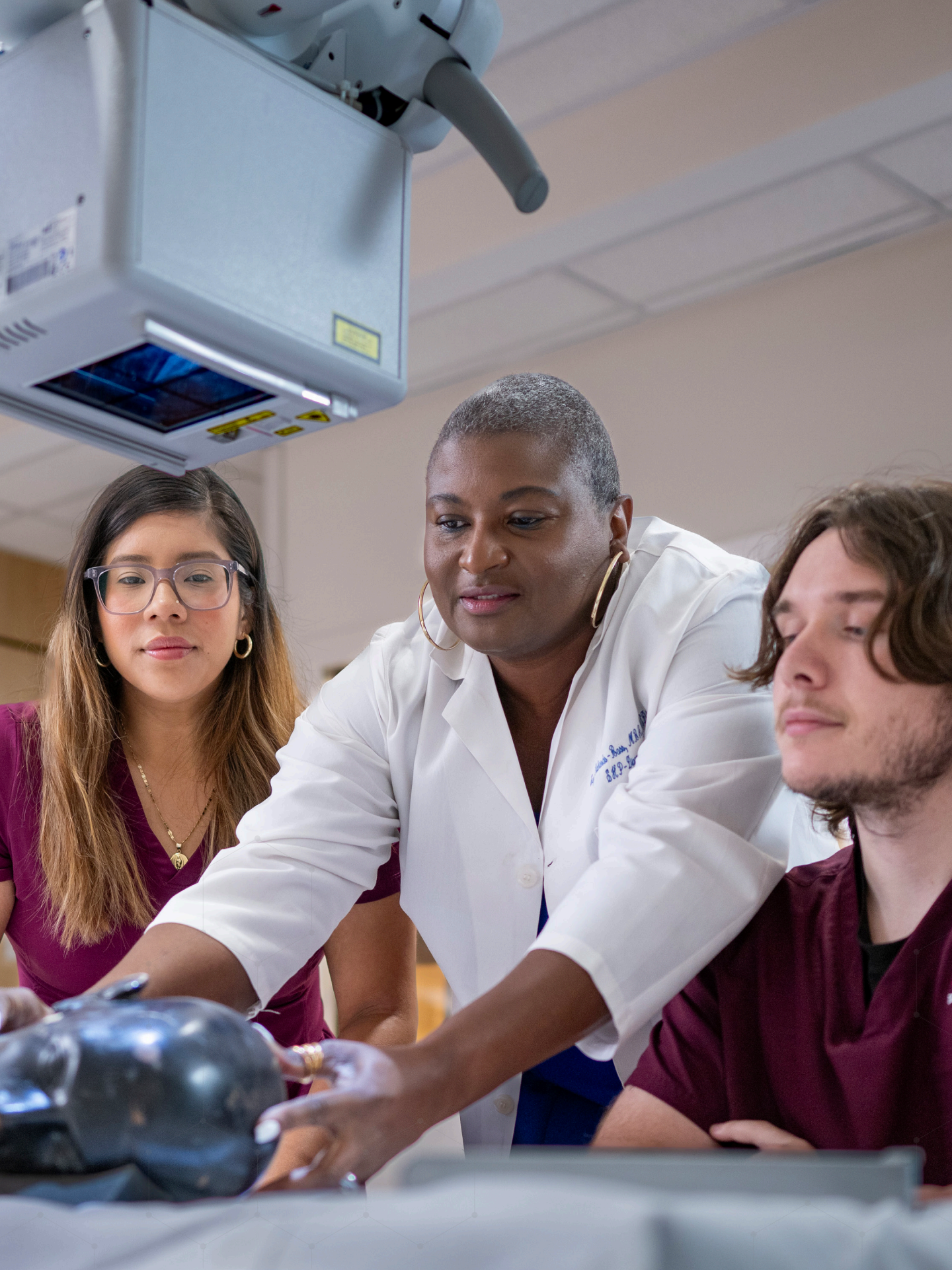
The job market for graduates of all programs in the School of Health Professions is excellent. According to the American Hospital Association and Bureau of Labor Statistics, the demand for health professions in health sciences will continue to increase. Positions are available in hospitals, research, independent laboratories, industry, government agencies and academia. The quality of education that students receive at The University of Texas MD Anderson Cancer Center prepares them to succeed technically and academically in their chosen profession.

Graduate education

For many students, a degree from the School of Health Professions is the start of their academic journey toward an advanced degree in health care. Some may go on to medical or dental school, while others may choose to pursue research-centered graduate education. In fact, some students opt to stay at the School of Health Professions to earn a master's degree.

Gain additional certifications

Our School of Health Professions graduates are already well prepared for their future careers the moment they earn their diploma, and many employers know this. But sometimes, additional certifications, like the School of Health Professions' Mammography Training Program, can help graduates secure positions in subspecialty allied health positions. Certificate programs are another way our graduates can increase their marketability or expand the scope of their expertise.



Competitive Application Process

The School of Health Professions admits new students once a year for entry each Fall semester. The degree program in Healthcare Analytics and Advocacy is the only program that admits new students for both the Fall and Spring 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 application deadlines, admission forms and a list of the prerequisite course requirements, visit www.mdanderson.org/SHPapply



Learn more
about the undergraduate application

2025-2026 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.



Learn more
about tuition and fees



Learn more
about financial aid and scholarships

Bachelor Degree Programs

As part of the rigorous curriculum, students acquire specialized skills through hundreds of hours of hands on experience. Upon earning their bachelor of science degree, our graduates are ready to enter the workforce.



Cytogenetic Technology

Cytogenetic Scientists are puzzle solvers who seek answers to diagnosis and treatment questions by studying chromosomes and genes. They search for clues by using conventional and molecular DNA techniques and the latest computer imaging technology to study a single individual's chromosomes or genes. Often, it is the Cytogenetic scientist who first identifies a chromosomal abnormality or reports on the effectiveness of powerful therapy that targets a single genetic abnormality.

The program in Cytogenetic Technology is a highly intensive course of study. Students learn through extensive hands-on training at MD Anderson, using some of the most sophisticated equipment that is available today. Participants in the program become proficient in the major disciplines of cytogenetic testing including: chromosome identification, fluorescent in situ hybridization, comparative genomic hybridization and computer digital imaging.

Program structure

This program's flexible structure allows working adults several options to complete a degree in Cytogenetic Technology including on campus part-time enrollment, on-campus full-time enrollment and hybrid online enrollment.

Hybrid online program

Nearly 80% of the content is delivered online, including asynchronous delivered class content. Approximately 20% of the content is gained through direct campus participation. Students have access to online chromosome identification training through KaryoTutor and online course management software. Lab experience will be gained during a consolidated one-week lab session at the conclusion of each semester.

Careers

Cytogenetic scientists are in high demand nationwide in clinical and diagnostic laboratories. They work in both cancer and constitutional genetics labs located in academic or research facilities, hospitals, outpatient medical facilities, lab services companies and biotechnology companies.

Clinical education

Cytogenetic Technology students develop an in-depth knowledge and acquire sophisticated and up-to-date skills in the field of Clinical Cytogenetics. Formal classroom lectures are combined with the very latest equipment in highly specialized student labs. The curriculum includes the theory and hands-on practice of essential laboratory techniques associated with banding, chromosome analysis, Fluorescent in situ Hybridization (FISH), computer imaging, and array Comparative Genomic Hybridization (aCGH). This immersion in the field of Cytogenetic Technology fully prepares students for the 480 hours of guided clinical rotation hours that will complete their education.

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

[Cytogenetic Technology](#)

[Current affiliations](#)



Cytotechnology

Cytotechnology is a rewarding and challenging profession in which you can play a critical role in detecting disease. If you like investigating the unknown and making a difference in health care, consider a career as a cytotechnologist. Cytotechnologists use their expertise with the microscope to examine human cells for the subtle clues that signal the presence of disease. In fact, cytotechnologists often point the way to lifesaving treatment when they recognize the presence of cancer, bacteria, viruses or other pathogens.

The program in Cytotechnology combines interactive lectures with hands-on experience in the laboratory. In addition to the standard microscope, students use a variety of highly specialized diagnostic tools that include computer digital imaging, molecular biological techniques and genetic marker studies. In the final semester, students refine their skills during rotations through clinical labs at MD Anderson and affiliated sites.

Careers

Cytotechnologists are in high demand nationwide in hospitals, reference laboratories, corporations, and research laboratories, where they work as staff cytotechnologists, supervisors, educators, technical support specialists and researchers.

Clinical education

The Cytotechnology program combines classroom lectures with hands-on experience. Students perform microscopic evaluation of gynecological, non-gynecological and fine needle aspiration specimens to increase diagnostic accuracy. Students also learn cytopreparatory techniques such as specimen collection, specimen preparation and specimen staining. The student lab is designed to simulate a working cytotechnology lab and is equipped with a multi-head microscope system that allows students and instructors to simultaneously view the same specimen slide. This combination of formal instruction and hands-on learning fully prepares students for the 480 hours of guided clinical rotation hours that will complete their education.

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

[Cytotechnology](#)

[Current affiliations](#)





Program structure

The Diagnostic Imaging program offers two pathways of study leading to a Bachelor of Science degree. It is designed for applicants without professional credentials in the radiologic sciences.

Technologists or sonographers who hold a prior credentials and wish to expand their knowledge in Diagnostic Imaging modalities while earning their bachelor's degree should refer to enrollment in one of the following options below.

- Computed Tomography
- Computed Tomography and Vascular Interventional Radiography
- Diagnostic Medical Sonography
- Education
- Magnetic Resonance Imaging
- Management

Diagnostic Imaging

Diagnostic Imaging is the art and science of using imaging equipment to produce images of organs and structures in the human body. The radiologic technologist is responsible for producing many of the diagnostic images that the radiologist uses to diagnose patient injuries and disease processes.

The program is designed to prepare students for a challenging career in the Radiologic Sciences through formal didactic and clinical training. The Program is sponsored by The University of Texas MD Anderson Cancer Center School of Health Professions (SHP) and receives additional support from the Division of Diagnostic Imaging. Students are educated in the institution's state-of-the-art Diagnostic Imaging center and several other affiliated hospitals in the internationally renowned Texas Medical Center and throughout the metropolitan Houston area. The program's excellent faculty and preceptors work closely with students in a variety of clinical settings. Since its inception in 2005, the program has been successful in graduating highly skilled entry-level technologists.

The first 18 months of study are dedicated to completing the ASRT Radiography Curriculum. Successful completion of the radiography curriculum allows the student to sit for the American Registry of Radiologic Technologists (ARRT) credentialing examination in Radiography. Students who successfully pass ARRT certification choose a specialization from the following options below to complete their bachelor's degree.

- Computed Tomography
- Computed Tomography and Vascular Interventional Radiography
- Diagnostic Medical Sonography
- Education
- Magnetic Resonance Imaging
- Management

Careers

Radiographers are in high demand nationally and have excellent opportunities for career advancement in specialty modalities and graduate programs. The U.S. Bureau of Labor Statistics predicts the job outlook for radiographers will grow 9% by 2030.

Clinical education

Students complete their Radiography clinical internships at The University of Texas MD Anderson Cancer Center, as well as several other facilities in the Texas Medical Center and Houston metropolitan area. This facilitates additional experience in variety of clinical settings with diverse patient populations.

- **In-person program**
- **Admits new students Fall semester only**
- **Full-time enrollment**
- **Degree completion in 3 years**

[Diagnostic Imaging](#)
[Current affiliations](#)





Diagnostic Imaging

Computed Tomography

Computed Tomography and Vascular Interventional Radiography

Computed Tomography

Computed Tomography (CT) uses ionizing radiation to produce cross-sectional images or “slices” of the body, similar to slices in a loaf of bread. These images are used for diagnosing fractures or several other pathologies in the body. The Diagnostic Imaging faculty provides didactic and clinical education to prepare students to take the advanced registry examination in CT, administered by the American Registry of Radiologic Technologists (ARRT).

The program in Computed Tomography allows students to complete their degree in as little as 12 months (full-time) or 24 months (part-time). The part-time option allows students the flexibility to juggle the demands of family, career and school. The first year will include most of the classroom work delivered in a traditional format (Monday - Friday). During the second year, students will primarily focus on the clinical component of the program.

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

Computed Tomography and Vascular Interventional Radiography

The Computed Tomography and Vascular Interventional Radiography (VI) track will focus on the theory, methodology and skills required for Diagnostic Imaging technologists to perform Computed Tomography and Vascular Interventional procedures (Interventional Radiography). Vascular Interventional Radiography is used to treat vascular (arteries and veins) issues as well as non-vascular pathologies. Technologists work closely with Radiologists and the VI team to navigate many types of procedures.

Vascular Interventional Radiography is an elective option available within the CT specialization, thereby creating additional ARRT credentialing and employment opportunities for graduates upon completion.



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

Careers

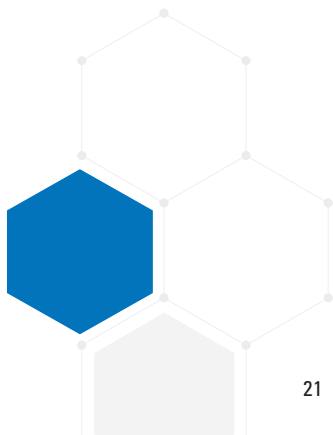
As technologist responsibilities are increasing, job prospects are very good, given the expanded range of examinations that are performed and the increased speed of the scanners. Many of the SHP graduates are employed at MD Anderson or at several of the program’s affiliates. Graduates of the Diagnostic Imaging program are well prepared to meet the challenge since they have received their education from the SHP, which is part of the world-renowned University of Texas MD Anderson Cancer Center.

Clinical education

Students in the CT or CT/VI specialization will participate in clinical internships under the supervision of highly experienced clinical faculty. This guided clinical experience occurs within MD Anderson and at a wide variety of affiliate sites that include: a hospital specializing in pediatrics, a general hospital designated as a Level One trauma center, and a regional Veterans’ Medical Center primary health care provider that serves almost 130,000 veterans in southeast Texas.

[Computed Tomography](#)
[Computed Tomography and Vascular Interventional Radiography](#)

[Current affiliations DI CT](#)
[Current affiliations DI CT/VI](#)



Diagnostic Imaging

Education or Management

This program is designed for experienced technologists or sonographers who are aspiring to hold managerial or educational leadership positions in Diagnostic Imaging or other health care related organizations. The program enhances general management abilities and teaching skills, as well as providing opportunities for developing analytical skills in assessing organizational performance and approaches for improvement.

This program’s flexible schedule allows students to complete their degree in as little as 12 months (full time) or 24 months (part time). Nearly 100% of the content is delivered in a hybrid format, allowing students the flexibility to juggle the demands of family, career and school. Classes meet only three Saturdays a semester. Distance learners may access lectures remotely using a web-based conference platform. This allows for synchronous interactions with the Houston faculty. Students in the program engage in distance-learning activities, including electronic presentations, threaded group discussions, and synchronous interactions with the faculty during class meetings. The Management specialization provides a theoretical foundation for students who plan to take examinations to become a Certified Radiology Administrator (CRA). The courses provide students with a broad emphasis in the five domains of the CRA curriculum. This includes fiscal and operational management, marketing, organizational behavior and communication.

Careers

Graduates with a specialization of study in education gain employment as instructors in Diagnostic Imaging programs or work as Application Specialist trainers with manufacturers of medical imaging equipment. The Management specialization provides graduates with entry-level opportunities for administrative positions as supervisors or managers in medical imaging facilities.

Student Practicum

Students in the Education and Management specializations are given the opportunity to have professional field experiences working in a professional environment under the supervision of experienced faculty. As a result, students are able to integrate the theory and knowledge of course content with the application of principles and practices in a work environment.

- **Hybrid online program**
- **Admits new students Fall semester only**
- **Full-time or part-time enrollment**
- **Degree completion in 1 or 2 years**

[Education](#)
[Management](#)





Diagnostic Imaging

Magnetic Resonance Imaging

Magnetic Resonance Imaging (MRI) uses magnetic fields and radio waves to create detailed images of the body for diagnosing several types of pathologies. The MRI program at The University of Texas MD Anderson Cancer Center combines didactic and clinical education experiences to provide students with the knowledge and skills to prepare them to take the Magnetic Resonance credentialing examination from the American Registry of Radiologic Technologists (ARRT).

Careers

As technologist responsibilities are increasing, job prospects are very good, given the expanded range of examinations that are performed and the increased speed of the scanners. Many of the SHP graduates are employed at MD Anderson or at several of the program’s affiliates. Graduates of the Diagnostic Imaging program are well prepared to meet the challenge since they have received their education from the SHP, which is part of the world-renowned University of Texas MD Anderson Cancer Center.

Clinical education

Students in the MRI specialization will participate in clinical internships under the supervision of highly experienced clinical faculty. This guided clinical experience occurs within MD Anderson and at a wide variety of affiliate sites that include: a hospital specializing in pediatrics, a general hospital designated as a Level One trauma center, and a regional Veterans’ Medical Center primary health care provider that serves almost 130,000 veterans in southeast Texas.

- In-person program
- Admits new students Fall semester only
- Full-time enrollment
- Degree completion in 1 year

[Magnetic Resonance Imaging](#)
[Current affiliations](#)





Diagnostic Medical Sonography

Diagnostic Medical Sonography is a non-invasive imaging modality that uses high-frequency sound waves to produce a dynamic visual image of the internal organs or tissues in the body including abdominal organs, a developing fetus, male and female reproductive organs and the vascular system.

The program in Diagnostic Medical Sonography (DMS) is designed to prepare leaders and technologically proficient professionals in the field of Diagnostic Medical Sonography. It emphasizes research and administrative proficiency and the development of skills in scanning and diagnostics. The DMS laboratory is equipped with state-of-the-art sonographic equipment in order to prepare students for current and emerging techniques and protocols, providing students with ample opportunities to apply theoretical knowledge and practice skills within a dedicated and non-intimidating laboratory setting before rotating to the clinical environment. The educational standards of this program are based on the Diagnostic Medical Sonography National Educational Curriculum. Graduates will be eligible for the national registry examination offered by the American Registry of Diagnostic Medical Sonography (ARDMS) once they meet the requirements established by the ARDMS.

Careers

Graduates of this program have a number of career options as sonographers, supervisors, administrators, educators, researchers, application specialist and sales representatives. Areas of employment include hospitals, clinics, private physicians' offices and industry. Graduates may also choose to work as freelance sonographers for mobile services. Evaluation of the job market and a survey of employers indicate a strong demand for well-trained sonographers.

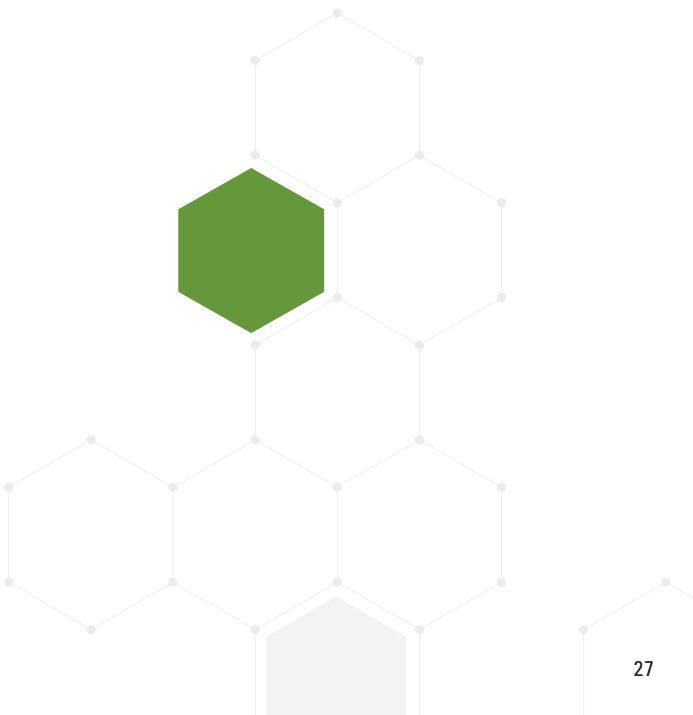
Clinical education

During a student's tenure in the Diagnostic Medical Sonography program, students develop hands-on proficiency in a unique lab environment using state-of-the-art imaging equipment, including: GE Logic E9, Philips iU22, and Parks Flow Lab.

The students learn how to operate a variety of sonography equipment before they ever see a patient. During the second semester of the program, the students begin their clinical rotations lasting the remainder of the time they are in the DMS program, completing approximately 1,230 hours of clinical rotations at MD Anderson and affiliated sites. On-site clinical preceptors work closely with the student to help them develop essential scanning skills while rotating through their institution. The clinical preceptors and the SHP faculty monitor and evaluate the students' progress and performance.

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

[Diagnostic Medical Sonography](#)
[Current affiliations](#)



Healthcare Analytics and Advocacy

Providing world-class patient care requires knowledge and skills that address patient advocacy, analytics, leadership and the needs of patients and their families. This exciting specialty, offered at the School of Health Professions, builds the insight and experience needed for a career working closely with patients from all backgrounds. The program will enhance the skills of students who are currently practicing in health care disciplines. Individuals not practicing in health care will learn skills to ensure quality family and patient-centered care is offered to patients and their families through patient advocacy.

The program in Healthcare Analytics and Advocacy offers a pathway for individuals holding national certification in a healthcare related field, or for applicants who wish to build on their college credits to earn a Bachelor of Science degree. This is an ideal bridge program from an associate's degree to a bachelor's degree.

Program Structure

The degree is offered in a non-traditional format utilizing online courses, including synchronous interactions with the faculty during class meetings, and asynchronously delivered class content and teaching.

Virtual Seminars

Virtual seminars allow Healthcare Analytics and Advocacy professionals to meet with students in a real-time virtual classroom, sharing their professional experiences in a wide arena nationally. Students have an opportunity to interact with each professional to demonstrate knowledge gained and learn professional skills under the guidance of a virtual advocacy leader to be successful in the field of healthcare analytics and advocacy.

Students who have the Texas Core and elective courses completed may apply for admission. A degree plan will be developed to ensure the completion of required courses prior to graduation.

Careers

- Community Relations Coordinator
- Research
- Government Policy Maker
- Health Care Communications
- Health Research
- Health Services Administration
- Institutional Partnerships Manager
- Patient Advocate
- Patient Affairs
- Patient and Faculty Advisor
- Patient Experience Professional
- Patient Service Coordinator
- Patient Support Representative

This list is not all inclusive. Many health care facilities use a variety of titles for individuals working in healthcare analytics and advocacy.

- **100% Online program**
- **Admits new students Fall and Spring semester**
- **Full-time or part-time enrollment**
- **Degree completion in 2 or 4 years**

Healthcare Analytics and Advocacy





Histotechnology

Histotechnologists play a fundamental role in detecting cellular abnormalities. A histotechnologist prepares very thin slices of human, animal or plant tissue for microscopic examination. This is an important part of the intricate process of scientific investigation used in establishing and confirming patient diagnosis. Because of the histotechnologist’s skillful application of laboratory techniques, the amazing invisible world of tissue structure becomes visible under a microscope.

The program in Histotechnology combines classroom instruction with hands-on laboratory practice in the highly specialized skills that are required for the fine art of sectioning and staining tissue. The result is that students are immersed in both theoretical knowledge and hands-on practice. Students gain additional practical experience through interactive training in affiliated hospital clinical and research laboratories. The program more than adequately prepares students for national certification as histotechnologists.

Careers

Histotechnologists are in high demand in the United States and worldwide. Their career options include hospital diagnostic labs, university research labs, medical schools, veterinary medicine, private reference labs and forensic labs. They enjoy careers as staff histotechnologists, supervisors, laboratory educators, technical support specialists and researchers.

Clinical education

The Histotechnology program combines classroom lectures with benchwork in highly specialized student labs that simulate working clinical histopathology labs. Students are immersed in a hands-on clinical experience that includes tissue specimen collection and preparation, including frozen sections, biopsy grossing, special staining techniques and tissue archival methods for molecular diagnostic tests. This depth of knowledge and hands-on experience ensures that students acquire the techniques and the knowledge they will need during the 400 hours of clinical rotation that will complete their education.

Histotechnology option for the working professional

The School of Health Professions program in Histotechnology also has an additional pathway to earning a Bachelor of Science degree in Histotechnology. This flexible option is available to working Histotechnology professionals who aspire to continue their education while maintaining full-time employment.

This program is open to individuals who currently:

- Hold HT-ASCP certification
- Have a minimum of one full year’s experience in the field
- Currently practice their profession in a working Histotechnology Service Laboratory

For more information, contact either of the following Histotechnology faculty members:

Mark Bailey HTL (ASCP)CM

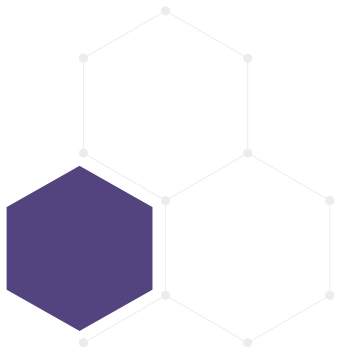
Histotechnology Program Director
mabailey@mdanderson.org

Toysha Mayer HT (ASCP)

Histotechnology Associate Program Director
tnmayer@mdanderson.org

- **In-person program**
- **Admits new students Fall semester only**
- **Full-time enrollment**
- **Degree completion in 1 or 2 years**
- **Professional track option for professionals holding HT-ASCP certification**

[Histotechnology](#)
[Current affiliations](#)





Medical Dosimetry

Medical Dosimetrists are vital members of the radiation oncology team, working closely with radiation oncologists, medical physicists and radiation therapists to create customized radiation treatment plans designed to target cancer while sparing normal tissue. In order to carry out this work, medical dosimetrists must develop a knowledge base that includes, but is not limited to, human anatomy, clinical disease processes, radiation physics, and computer technology. Medical dosimetrists use multimodality imaging, including CT, MRI and PET scans, to construct three-dimensional treatment plans that will allow the delivery of high doses of radiation to a tumor while minimizing the risk to sensitive surrounding tissues. In the course of their work, medical dosimetrists also contribute to excellence in patient care by participating in quality assurance and cutting edge clinical research.

The program in Medical Dosimetry prepares students for the technical, theoretical, and psychological aspects of a career in this field. Students acquire the professional skills of dose calculation, computerized treatment design, and quality assurance through intensive education in classroom, laboratory, and clinical settings.

Careers

Medical Dosimetrists are in high demand in hospitals and radiation treatment facilities in the United States. They have a wide range of career options that include: patient care, education, management, medical sales and technical training positions for emerging technology and treatment techniques.

Clinical education

The program in Medical Dosimetry provides students with approximately 1,000 guided clinical rotation hours. This experience builds on the treatment-planning skills mastered in MD Anderson’s advanced laboratory and clinical facilities where students are exposed to the latest in treatment planning technology and learn from experienced faculty and clinicians. Clinical faculty instruct and mentor students as they participate in treatment planning for conventional

radiation therapy, intensity-modulated radiation therapy (IMRT), volumetric-modulated arc therapy (VMAT), brachytherapy and advanced treatment techniques. Affiliation sites include the MD Anderson clinical sites within the Texas Medical Center and beyond.

Distance-learning students placed in affiliated clinics beyond MD Anderson in Texas receive their didactic education through synchronous delivery and clinical education under the supervision of clinical staff at these clinics.

- **In-person program**
- **Distance-learning program available in select regions**
- **Admits new students Fall semester only**
- **Full-time enrollment**
- **Degree completion in 2 years**

[Medical Dosimetry](#)
[Current affiliations](#)





Medical Laboratory Science

Medical Laboratory Scientists are detectives and problem solvers who use their knowledge and technical skills to conduct a wide variety of medical laboratory tests and then correlate the results with disease processes. They are experts in monitoring quality-control programs and also possess the technical skills to operate and maintain laboratory instruments.

The program in Medical Laboratory Science is an intensive course of study that combines classroom lectures with laboratory demonstrations and hands-on technical experience. As MD Anderson Cancer Center is one of the largest cancer centers in the world, our students are exposed to numerous special techniques, including bone marrow interpretation, flow cytometry, working with tumor markers and a variety of molecular techniques. The program provides students with the depth of experience that more than adequately prepares them for national certification as Medical Laboratory Scientists.

Careers

Medical Laboratory Scientists are in high demand nationwide in clinical and diagnostic industry laboratories and educational programs. Career paths include developing new diagnostic techniques, managing laboratory information systems and freelance consulting.

Clinical education

By combining classroom lectures with benchwork in the highly specialized student lab, the faculty of the Medical Laboratory Science program lay the groundwork for proficiency in the specialty areas of Clinical Chemistry, Hematology, Blood Banking and Microbiology. Students are then well prepared and ready to participate in 552 guided clinical rotation hours, which will complete their education. Affiliation sites include the MD Anderson clinical sites, as well as institutions within the Texas Medical Center and beyond.

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

[Medical Laboratory Science](#)
[Current affiliations](#)



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

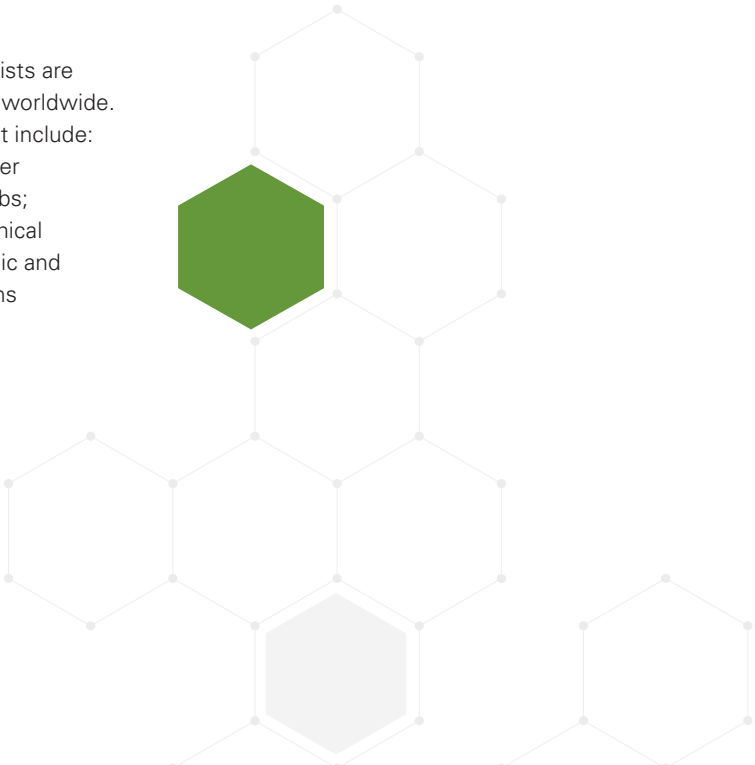
Certified clinical molecular genetic technologists are in high demand within the United States and worldwide. They have a wide range of career options that include: molecular genetics research labs within cancer treatment and research centers; pathology labs; pediatric and genetic counseling clinics; 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](#)





Radiation Therapy

Radiation Therapists 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. The program in Radiation Therapy offers students a foundational education that allows them to build the professional knowledge, skills and abilities to safely administer radiation. Graduates of our program will have the necessary tools to plan, calculate, deliver and document prescribed doses of radiation.

Our students have the unique opportunity to demonstrate competency in complex radiation treatment techniques and utilize equipment and accessories within the clinical environment. The immersive VERT 3-D radiation therapy treatment simulation allows students to hone their clinical knowledge and skills inside of the classroom. The program combines classroom instruction with clinical experiences that include specialized treatment modalities. Another unique characteristic of our program is the experience in administering proton therapy. Our students gain experience as they rotate through the Proton Therapy Center. The goal of our program is to provide the community with competent radiation therapists who will deliver safe and compassionate care to patients with cancer.

Careers

Radiation therapists are in high demand within the United States and worldwide. They have a wide range of career options that include: education, management, medical sales and technical training positions for emerging technology and treatment techniques.

Clinical education

The program in Radiation Therapy provides students with an incomparable clinical experience. During the approximately 1,700 guided clinical rotation hours, students will learn to work with a wide variety of radiation therapy protocols that use the latest technology, including: proton therapy, gamma knife, brachytherapy, stereotactic body radiation therapy and total body irradiation. This range of experience and the volume of patients treated daily ensure that graduates of the program are fully prepared for a career in the field of Radiation Therapy.

- **In-person program**
- **Distance-learning program available in select regions**
- **Admits new students Fall semester only**
- **Full-time enrollment**
- **Degree completion in 2 years**

[Radiation Therapy](#)
[Current affiliations](#)

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 N. 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, ARDMS.org

School of Health Professions

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www.UTH.edu/sfs

Housing

713-500-8444
www.UTH.edu/housing

Registrar

713-500-3361
www.UTH.edu/registrar



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