

## **A Message from the Dean of the UT Medical School at Houston**

The four-year curriculum for medical students outlined in this catalog is the product of over 30 years of the School's continual growth and development. To date, more than 4,000 physicians have graduated from the UT Medical School and each represents an important part of who we are. Please take a moment to review our comprehensive and innovative programs. From first-year course work that provides clinical exposure to second-year Problem-Based Learning case studies that integrate basic and clinical sciences, this Medical School is committed to continual innovations and training opportunities that keep pace with these times of rapid health-care change.

Our opening retreat and orientation program for new students sets the stage for the first four years and serves as an important statement that this is a student-friendly school, providing faculty resources and student-support programs designed around a philosophy that your medical education will be a lifelong endeavor. From our teaching hospitals, including Memorial Hermann Hospital and Lyndon B. Johnson General Hospital, to community-based health centers and clinics throughout the Houston area, we continue to develop learning opportunities that few schools can match in scope and quality. Located in the Texas Medical Center, your education takes place in a medical city, not just a medical building. As we diversify in ambulatory care and address a new era of medical practice, our training opportunities are changing in response to your career needs.

We are mindful of our responsibility to expose our students to recent advances, both technological and intellectual, in medicine. We recognize and utilize computer simulation and resources as an important partner in the practice of medicine. With equal diligence, we encourage students to maintain their empathy, sensitivity, and commitment to ethical and compassionate care. We believe that "high-tech, high-touch" medicine is not a contradiction in terms, and our curriculum reflects this philosophy.

Take a look at the program outlined in our catalog. It is our goal to provide you a quality education that is both rigorous and rewarding, with our success and the health of our global community in mind.

Stanley G. Schultz, M.D.  
Dean

**The University of Texas Houston - Health Science Center  
2005-2007 Calendars**

**Medical, DDS, Dental Hygiene, Dental Postgrad and Graduate Programs**

**\*\*2005-2006 ACADEMIC YEAR\*\***

**Summer 2005**

Clinicals Begin	June 20, 2005 (MED Year 3) July 1, 2005 (MED Year 4, Dental Postgraduate, Graduate)
Classes End	August 19, 2005 (Dental Postgraduate, Graduate)

**Fall 2005**

Semester Begins	August 15, 2005 (DDS, Dental Hygiene) August 15, 2005 (MED 1 & 2) August 22, 2005 ( Dental Postgraduate, Graduate)
Classes End	December 2, 2005 (DDS, Dental Hygiene, Postgraduate, Graduate)
Exams	December 5-16, 2005 (MED Year 1) (DDS, Dental Hygiene) December 12-16, 2005 (MED Year 2)
Clinicals End	December 16, 2005 (MED Year 3) (DDS 3 & 4)
Blackboard Shutdown	December 27-30, 2005

**Spring 2006**

Clinicals Begin	January 1, 2006 (MED Years 4)
Semester Begins	January 2, 2006 (DDS, Dental Hygiene, DPGrad, MED Years 1-3) (If January 2 is a university holiday, begin on January 3)
Classes End	April 28, 2006 (Dental Postgraduate, Graduate) April 28, 2006 (DDS, Dental Hygiene)
Exams	May 1-12, 2006 (DDS, Dental Hygiene) May 8-19, 2006 (MED Years 1-2)
USMLE	May 22-June 16, 2006 (MED Year 2)
Blackboard Shutdown	June 9-10, 2006
Radiology	June 19-23, 2006 (MED Year-2)
Clinicals End	May 12, 2006 (DDS 3 & 4) May 31, 2006 (MED Year-4) June 23, 2006 (MED Year 3) June 30, 2006 (Postgraduate, Graduate)
Spring Break	March 6-10, 2006

**Summer 2006 (Medical Year 3 and 4 Clinicals)**

Clinicals Begin June 26, 2006 (MED Year-3)  
July 1, 2006 (MED Year-4)

**Summer 2006 ( Year 1 Dental Hygiene, DDS 1,2,3)**

Session Begins May 30, 2006  
Classes End July 21, 2006

**Summer Term 2006 (Dental Postgraduate, Graduate)**

Session Begins July 1, 2006  
Classes End August 18, 2006

**\*\*2006-2007 ACADEMIC YEAR\*\***

**Fall 2006**

Semester Begins August 7, 2006 (DDS, Dental Hygiene)  
August 14, 2006 (MED 1 and 2)  
August 21, 2006 (Postgraduate, Graduate)

Classes End December 1, 2006 (DDS, Dental Hygiene,  
Postgraduate, Graduate)

Exams December 4-15, 2006 (MED 1, DDS, Dental  
Hygiene)  
December 11-15, 2006 (MED 2)

Clinicals End December 15, 2006 (MED Year 3, DDS 3 & 4)

Blackboard Shutdown December 26-29, 2006

**Spring 2007**

Clinicals Begin January 1, 2007 (MED Year 4)  
January 2, 2007 (MED Year 3)

Semester Begins January 2, 2007 (DDS, Dental Hygiene, DPGrad,  
MED 1 & 2)

Classes End May 6, 2007 (Dental Postgraduate, Graduate)  
April 27, 2007 (DDS, Dental Hygiene)

Exams April 30 – May 11, 2007 (DDS, Dental Hygiene)  
May 7-18, 2007 (MED Years 1-2)

USMLE May 21 – June 15, 2007 (Med Year 2)

Radiology June 18 - 22, 2007 (Med Year 2)

Clinicals End May 11, 2007 (DDS 3 & 4)  
May 31, 2007 (MED Year 4)  
June 22, 2007 (MED-Year 3)  
June 30, 2007 (Postgraduate, Graduate)



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### **Surgery**

Richard J. Andrassy, M.D.

## **Introduction**

On Nov. 11, 1968, the Coordinating Board of the Texas College and University System approved the establishment of a new four-year public school of medicine in the Texas Medical Center in Houston. On June 13, 1969, The UT Medical School was created by act of the Legislature, and an appropriation for its initial cost became effective Sept. 1, 1969. Three considerations led to the organization of the school: local, regional, and national shortages of physicians; the extraordinary, but until then underutilized, resources for medical education in Houston and in the Texas Medical Center; and the large number of well-qualified candidates seeking entry to medical school.

A dean and supporting staff were appointed in the spring of 1970. Two years were then devoted to assembling faculty, resources, and equipment; designing a curriculum; and organizing these

various parts into an effective medical education team. During this period, the Medical School was accredited by the Association of American Medical Colleges (AAMC) Liaison Committee on Medical Education. The faculty grew rapidly, and effective instruction, in both the basic sciences and clinical disciplines, began. New facilities were opened, major construction programs were initiated, and the renovation of Memorial Hermann Hospital was completed. In 1972, the Medical School, along with five other UT health programs, was incorporated into The University of Texas Health Science Center at Houston.

Now, almost 35 years later, the Medical School has achieved a position of excellence among the other fine institutions in the Texas Medical Center. It has remained fully accredited throughout this time and was re-accredited in 2004 for eight years.

## **Mission statement**

The mission of The University of Texas Medical School at Houston is to provide the highest quality of education and training of future physicians for the state of Texas, in harmony with the state's diverse population; to conduct the highest caliber of research in the biomedical and health sciences; and, to provide exemplary clinical services in relationship to our educational and discovery activities.

In pursuit of this mission, the Medical School:

- endeavors to select a group of caring, well-prepared, highly motivated, intellectually able and socially aware students from diverse cultural, ethnic, social, and economic backgrounds.
- offers them educational experiences: in the basic human biological and behavioral sciences that underlie modern medicine, in the cultural and social forces that shape its practice, and in the ethical responsibilities of physicians.
- provides training in cognitive, technical, and interpersonal skills necessary for practicing patient-centered medicine
- emphasizes problem-solving and creates educational opportunities that involve the use of modern information resources and technology.
- encourages students, faculty, and staff to participate in outreach activities that benefit the wider community.

## **UT Medical School at Houston Principles of Education**

- The curriculum will provide students a general medical education with a breadth and depth of core knowledge, skills, and attributes necessary for residency training in any discipline or specialty, and for the life-long practice of medicine.
- The curriculum will be coordinated so that, when appropriate, courses and clerkships are seamlessly integrated.
- The curriculum and the faculty will establish an environment that fosters professionalism, humanism, altruism, ethical behavior, empathy, and compassion.
- The curriculum will explicitly define the core knowledge, skills, and attributes expected of medical students upon graduation.
- The curriculum will be informed by recognized educational research and theory, and by measured outcomes.

## Facilities

The nine-story Medical School building is connected to the Memorial Hermann Hospital. The building bridges Ross Sterling Avenue to form one continuous structure with Memorial Hermann Hospital's Cullen, Jones, Robertson, and Hermann pavilions. A sky bridge provides a link with The University of Texas Health Science Center Professional Building, where the faculty conduct their clinical practices, and adjacent garages.

The Medical School building contains offices, teaching and research laboratories, classrooms, lecture halls, study areas, animal facilities, educational and biomedical communications support areas, student lounges, a recreational center, and administrative suites. In early 2005, the John Freeman Building (the original Medical School building), was demolished to make room for a new six-story 208,500 gross square-foot research building. The top two floors will be devoted to a state-of-the-art vivarium, and the first four floors will be dedicated to research. This new building will be connected to the Medical School building at several levels.

## Affiliated Hospitals

Memorial Hermann Hospital, a partner in the Memorial Hermann Healthcare System, is the primary teaching hospital of the UT Medical School in the Texas Medical Center (TMC). Founded in 1925, this large metropolitan hospital, licensed for 815 beds, has a long-standing record of distinction in postgraduate teaching. It offers a broad range of inpatient services with special units for coronary and intensive care, newborn intensive care, treatment of burns, kidney disease and transplantation, advanced diagnostic facilities, a clinical research center, and emergency services. The hospital serves as the center of inpatient clinical activity for the Medical School's full-time faculty who work closely with part-time faculty and volunteer physicians. The hospital, which has been completely renovated, includes Hermann Children's Hospital, the Texas Kidney Institute, the President Bush Center for Cardiovascular Health, and the Jesse H. and Mary Gibbs Jones Medical Surgical Center. Medical students develop much of their inpatient clinical experience in this outstanding

facility.

In 1997, Hermann Hospital merged with the Memorial Healthcare System to become the Memorial Hermann Healthcare System, the largest not-for-profit hospital system in Houston. The Memorial Hermann Healthcare System has 3,155 licensed beds in 9 acute care hospitals three long-term acute hospitals, and a retirement/nursing center. The Lyndon B. Johnson (LBJ) General Hospital, owned and operated by the Harris County Hospital District, is the second primary teaching facility for the Medical School. This 332-bed hospital opened in 1989 and is a full-service general hospital with easy access for the indigent patients it serves. Health-care services for the hospital district are provided by Affiliated Medical Services, a nonprofit organization composed of UT faculty, which staffs LBJ, and Baylor College of Medicine, which staffs Ben Taub General Hospital.

The University of Texas M. D. Anderson Cancer Center, located in the Texas Med-

ical Center, is widely regarded as one of the world's foremost centers for cancer care, research, education, and prevention. Since its opening in 1944, the M. D. Anderson has treated more than 600,000 persons with cancer and allied diseases in its inpatient and outpatient services. The institution also houses a large clinical and basic science research program devoted to the investigation of the biology of cancer and includes active units in biochemistry, biological response modifiers, biophysics, molecular biology, pathology, pharmacology, cell biology, and cancer prevention. M. D. Anderson Cancer Center participates in a wide range of training programs involving more than 2,900 students annually in the sciences and health professions. In addition, inpatient facilities were completed in 1976 and an expanded ambulatory care center was dedicated in 1987. Three new buildings have recently opened: the Cancer Prevention Building, the Ambulatory Clinic Building, and the Basic Sciences Research Building. The M. D. Anderson Cancer Center has an average of 475 beds in operation and had 605,848 outpatient clinic visits in fiscal year 2004.

The UT Harris County Psychiatric Center (HCPC), which opened in 1986, is a 222-bed public acute care psychiatric hospital that delivers a comprehensive program of psychiatric and clinical social services to more than 5,000 patients annually. The center plays an important role as a teaching facility for medical and nursing schools across Texas and Louisiana. Operated by The University of Texas Health Science Center at Houston, the facility is jointly supported by the State of Texas and Harris County under the auspices of the Texas Department of State Health Services and the Mental

Health and Mental Retardation Authority of Harris County, respectively. The Medical School's Department of Psychiatry and Behavioral Sciences provides the administrative leadership and medical services for the center.

CHRISTUS St. Joseph Hospital is a 792-bed general hospital four miles north of the Medical School in downtown Houston. This hospital is the site of several programs for student rotations, overseen by UT faculty, including surgery, neurology and obstetrics, and gynecology.

St. Luke's Episcopal Hospital is a 946-bed community teaching hospital and tertiary referral center located nearby in the Texas Medical Center. Student rotations from the Medical School take place in neurology and internal medicine. St. Luke's is also home to the Texas Heart Institute, where The University of Texas Health Science Center at Houston has several ongoing research and educational collaborations.

### **Outpatient Clinical Facilities**

Ambulatory care is provided at the UT-Houston Physician Offices, located primarily in The University of Texas Health Science Center Professional Building across the street as well as at several satellite locations; six community health centers operated by the Harris County Hospital District; seven WIC (Women, Infants and Children) clinics; plus several other clinical outreach programs located throughout the greater Houston community.

The UT Mental Sciences Institute (MSI), which is part of the Department of Psychiatry and Behavioral Sciences, is located in the TMC and is dedicated to

research and education and clinical care in psychiatry. MSI also serves as a facility for clinical research activities.

### **Library Resources**

The Houston Academy of Medicine/Texas Medical Center (HAM-TMC) Library serves as the accredited library for most Texas Medical Center institutions and is the primary library resource for The University of Texas Medical School at Houston.

Currently, the library contains 76,500 square feet of space and holds over 362,220 volumes, including books and journal volumes. Additionally, the library has subscriptions to over 100 electronic databases and over 4,400 electronic journals. Over 50 public access computers are available to library users. These computers have Internet access, as well as software products for word processing, spreadsheets, database development, and preparation of public presentations. The library also offers classes in basic HTML, Endnote, internet for medical research, navigating full-text journals, OVID, PowerPoint, PubMed, and Reference Manager.

Since 1991, the library has served as the Regional Medical Library for the National Network of Libraries of Medicine, South Central Region, with responsibility for the library needs of health professionals in the five-state region of Arkansas, Louisiana, New Mexico, Oklahoma, and Texas. So designated by the National Library of Medicine, there are only eight Regional Medical Libraries in the nation.

### **Learning Resource Center (LRC)**

The Learning Resource Center (LRC) supports the teaching and learning functions of the Medical School. It works closely with the faculty and the students to promote utilization of innovative teaching and learning strategies in support of the Medical School's educational programs. The LRC is housed in a state-of-the-art facility with over 10,000 square feet of dedicated space, which includes seating for more than 200 in 150 individualized study carrels and five group study rooms. There are six conference rooms as part of the Medical School's Problem Based Learning curriculum. The LRC has over 75 networked computer stations, more than 200 Internet connections, and wireless networking capability. A range of audiovisual devices and a collection of over 3,500 instructional media include required and recommended texts, reserve and reference materials, slide sets, videotapes, and computer programs. The LRC's circulation desk is open from 7 a.m. to 10 p.m., while the study areas are accessible 24 hours, seven days a week.

## M.D. Admissions

The Admissions Committee has the responsibility of recommending individuals from a large number of applicants who have intellectual ability, motivation for service, specific interest in the Houston program, and whose personal attributes are considered by the committee to be particularly qualified for, and suited to, the study and practice of medicine. Particular interest is taken in candidates with a broad educational background. The committee emphasizes attempting to fill the needs of Texas for primary and rural care practitioners as well as those who will practice in other shortage areas or among needy populations. To the extent provided by applicable law, no person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under, any program or activity sponsored or conducted by The University of Texas System or any of its institutions, on the basis of race, color, national origin, religion, sex, age, veteran status, or disability, in accordance with The University of Texas System Board of Regents Rules and Regulations, Series 10701.

## Admission Requirements

Students should plan college course work with an emphasis on obtaining a broad educational background. Knowledge is an end in itself. It is important that evidence of scholarly interest and achievement in some branch of academic endeavor be demonstrated. The study of medicine is based upon science, so the medical student must be a capable student of science. Therefore, majors in the scientific disciplines, such as, but not limited to, chemistry, biology, and physics are satisfactory.

A liberal arts education is an excellent basis for a medical career. Accordingly, applicants may have majored in such areas as classics, languages, history, English literature, belles lettres, music, or philosophy, provided the specific scientific requirements listed below are fulfilled. All applicants are expected to be well educated and able to demonstrate the intellectual interests associated with entry into a learned profession. Technological, vocational (e.g., pharmacy), engineering, or business courses of study are not viewed as favorably as those providing a broad educational back-

ground.

Students must complete at least 90 undergraduate credit hours at a United States or Canadian university. The specific pre-medical credits listed as follows must be taken at a United States or Canadian university. Courses that do not conform to this requirement will not be accepted, even though credit has been given for them by a United States or Canadian university. No specified admissions requirements are waived. Graduate courses do not satisfy this requirement.

English - one year of college English.

Biology - two years, as required for science majors. One year may be completed by advanced placement. The other year must be completed in residence at a college and must include formal laboratory work.

Mathematics - one-half year of college calculus. This course should be given by the mathematics department.

Physics - one year, as required for science majors, and must include laboratory experience.

Chemistry - two years: one year of general chemistry and one year of organic chemistry as required for science majors and include the corresponding laboratory experience.

Although the minimum requirement for admission is 90 undergraduate semester hours at a United States or Canadian university, preference is given to students who obtain a baccalaureate degree prior to admission to medical school.

The Medical and Dental Schools of The University of Texas System are authorized to accept only a limited number of non-residents for enrollment in an entering class. Non-resident students should have outstanding qualifications. Students who have been dismissed or who have withdrawn from a medical school are not encouraged to apply.

The results of an applicant's performance on the Medical College Admissions Test (MCAT) must be received by the Medical School before a firm commitment of a place in the first-year class can be made. The test is administered twice a year. It is to the applicant's advantage to take the test in the spring rather than the fall of the year in which the application is to be submitted. Information on the MCAT may be obtained from college premedical advisers or by writing to:

The American College Testing Program  
P. O. Box 414  
Iowa City, Iowa 52240

### **Admissions Criteria**

The UT Medical School, in conformity with the purpose assigned it by the Texas Legislature and its mission statement,

selects the best qualified students for its entering class who demonstrate a potential to become competent and caring physicians and who will serve the identified needs of the state of Texas. To that end, the Admissions Committee considers the totality of each application and gives importance to the factors enumerated below.

1. Intellectual capacity: Each student who is accepted must have the intellectual ability to successfully complete medical school and master the essentials of the practice of medicine. Considered are: undergraduate and graduate records; standardized test scores; academic awards and honors, e.g. Phi Beta Kappa, National Merit etc.; research accomplishments; degree of difficulty of undergraduate academic program; pre-professional evaluations; personal interview; and, any other relevant data submitted.
2. Interpersonal and communication skills: The practice of medicine demands a high level of interpersonal skills and a compassionate attitude. Ability to communicate is essential for these qualities. Considered are: community or charitable service, e.g., volunteering to help the less fortunate; extracurricular activities and organizations; leadership positions; employment history; recognition for humanitarian service; awareness and direct knowledge of cultural elements as they may have an impact on health care; evidence of being well written and articulate exemplified by standardized test scores in verbal abilities, the MCAT score on the written essay, the application, the personal interview;

and, other relevant considerations which the student or his or her pre-professional advisers may present.

3. Breadth and depth of pre-medical educational experience: The modern practice of medicine requires a strong scientific background and also an ability to understand the complex non-scientific problems facing physicians and patients, e.g., ethical or socioeconomic problems. The bare completion of the pre-medical requirements is a base on which to build further knowledge and prepare physicians for a lifetime of study so that they will remain the best possible practitioners of medicine. Considered are undergraduates' core curriculum of course selection; participation in the intellectual life of the university, e.g., belonging to discipline organizations, such as chemistry or philosophy club; extent of reading; papers written or published; knowledge displayed at the interview; honors program; pre-professional evaluations; and, any other relevant indications of scholarly accomplishment.
4. Potential for service to the state of Texas: A state medical school must have as a primary concern producing practitioners who will serve the state in ways which are identified as needed, and applicants must be evaluated accordingly. Considered are: Texas residency; applicant's goals for the future; size and location of hometown; whether applicant resides in a Health Professions Shortage Area; potential for future provision of health services to underserved areas or needed specialties; race and ethnicity (effective 2006/2007 entering class); and linguistic skills appropriate to the Health Profession Shortage Area the applicant wishes to serve.
5. Motivation: A physician must be prepared for a lifetime of dedicated intense service to her or his patients. This requires a high level of selfless motivation. Considered are success in overcoming adverse economic or educational conditions, employment history occurring simultaneously with undergraduate academic preparation; participation in activities requiring time management skills, e.g., varsity athletics, campus symphony; constantly improving undergraduate record; veteran status; and, experience in health-related activities.
6. Integrity: A physician, because of the public trust given to members of the medical profession, must have qualities of integrity beyond reproach. Considered are pre-professional evaluations; any academic integrity violation; conduct or disciplinary problems in college, e.g., cheating; conviction of a crime; any other relevant background relating either positively or negatively to applicant's standard of integrity (e.g., Honorable Discharge or Discharge under Honorable Conditions).

### Technical Standards

All individuals, without exception, who apply for admission to the UT Medical School must be able to perform specific essential functions. Essential functions are the basic activities that a student must be able to perform to complete

the generalist Medical School curriculum. An applicant who cannot perform the Medical School's essential functions - either with or without reasonable accommodations - will not be considered for admission. A candidate for the M.D. degree at the Medical School must be able to perform these technical standards:

1. Observation: Candidates must be able to accurately observe demonstrations and patients close up and at a distance to learn skills and to gather patient data (e.g., observe a patient's gait, appearance, posture, etc.). Candidates also must possess functional use of the senses of smell, vision and somatic sensation.
2. Communication: Candidates must be able to communicate orally and in writing with patients and members of the health-care team. Candidates also must be able to read and comprehend written material.
3. Psychomotor Skills: Candidates must have sufficient motor function to obtain data from patients using tactile, auditory, and visual maneuvers. Candidates must be able to execute motor movements to provide general care and emergency treatment that are reasonably required of physicians.
4. Intellectual and Cognitive Abilities: Candidates must be able to measure, calculate, reason, analyze, synthesize, integrate, and apply information. Problem-solving, a clinical skill required of physicians, requires all of these intellectual abilities. In addition, candidates must be able to comprehend three-dimensional relationships and to understand the spatial relationship of structures.
5. Behavioral and Social Attributes: Candidates must possess the emotional health required to use their intellectual abilities fully, such as exercising good judgment; promptly completing all responsibilities attendant to the diagnosis and care of patients; and developing mature, sensitive, and effective relationships with patients. Candidates must be able to tolerate physically taxing workloads and to function effectively under stress. Candidates must be able to adapt to changing environments, to display flexibility, and to learn to function in the presence of many patients. Compassion, integrity, concern for others, interpersonal skills, interest, and motivation are all personal qualities that will be assessed during the admissions and educational process.
6. Chronic Conditions: Any chronic or recurrent illnesses, including infectious, psychiatric, or substance abuse problems that can interfere with patient care or safety are not compatible with medical practice or training.
7. Ethical Standards: A candidate must demonstrate professional demeanor and behavior and must perform in an ethical manner in all dealings with peers, faculty, staff, and patients.

For more information on the Technical Standards, contact:  
Office of Admissions  
The University of Texas Medical School  
at Houston  
6431 Fannin  
Houston, Texas 77030

For information about accommodations, contact:  
Associate Dean for Student Affairs  
The University of Texas Medical School  
at Houston  
6431 Fannin  
Houston, Texas 77030

### **Application Procedure**

Application for admission to The UT Medical School is made through the Texas Medical and Dental Schools Application Service. Applications for entry are accepted between May 1 and Nov. 1 of the preceding year. Early application is encouraged and is of advantage to applicants. Students are encouraged to apply as early as possible, certainly by Oct. 1. Because the above dates are subject to change, applicants should contact the Texas Medical and Dental Schools Application Service for more current information. Application information is available from The Texas Medical and Dental Schools Application Service's Web site: [www.utsystem.edu/tmdsas](http://www.utsystem.edu/tmdsas)

Questions may be directed to:  
Texas Medical and Dental Schools  
Application Service  
702 Colorado, #6.400  
Austin, Texas 78701  
Telephone 512-499-4785

A non-refundable filing fee is required to accompany completed application forms when they are submitted to the Texas Medical and Dental Schools Application Service. For Texas residents, the cost of submitting an application is \$55 for one school and \$10 for each additional school. For non-residents, the cost of submitting an application is \$100 for

one school and \$10 for each additional school to which the application is made. These fees are subject to change.

After applications have been processed by the application service, they are forwarded to the UT Medical School, where they are reviewed and evaluated.

Applicants who give evidence of being well-qualified candidates for admission are invited to come to Houston for personal interviews on a specified date. The invitation for interview is for the specified date only. All applicants are welcome to visit the UT Medical School at anytime, but formal interviews must, of necessity, be arranged by, and at the initiative of, the Office of Admissions.

Following each interview, applicants may rank their medical school preferences via the Texas Medical and Dental Schools Application Service's Web site. Final preferences must be made prior to Jan. 15 (subject to change). The Admissions Committee ranks each applicant and sends a rank-ordered list to the Central Application Service for "matching" with the applicant's medical school preferences. Letters of acceptance are sent following the Feb. 1 match.

Accepted applicants are required to indicate their decision in writing within two weeks of notification. An applicant who later decides to accept a position in another institution should give prompt notice in writing of withdrawal from the UT Medical School.

The Medical School is cognizant of the procedures recommended by the Association of American Medical Colleges.

### **"Academic Fresh Start" Statute**

An applicant for undergraduate admission, who is a Texas resident, may seek to enter this institution pursuant to the "academic fresh start" statute, Texas Education Code, Section 51.931. When the applicant informs the admissions office (see Application Procedure, page 44) in writing of the election, the institution will not consider in the admissions decision any academic course credits or grades earned by the applicant 10 or more years prior to the starting date of the semester in which the applicant seeks to enroll. An applicant who makes the election to apply under this statute may not receive any course credit for courses taken 10 or more years prior to enrollment under academic fresh start.

An applicant who has earned a baccalaureate degree under the "academic fresh start" statute, Texas Education Code, Section 51.931, and applies for admission to a post graduate or professional program will be evaluated on only the grade-point average of the course of work completed for that baccalaureate degree and the other criteria stated herein for admission to the postgraduate or professional program.

## M.D. Student Development

### Evaluation and Promotion

The evaluation of student performance helps students achieve their maximum potential and provides information on how well institutional educational goals are being met.

The official policies for evaluation of academic performance, promotion, grade grievance, and academic dismissal are contained in The UT Medical School Policy and Guidelines for Evaluation and Promotion of Medical Students on the Medical School student handbook Web site, [http://www.med.uth.tmc.edu/P&G\\_Eval\\_&\\_Promos\\_Med\\_Students.htm](http://www.med.uth.tmc.edu/P&G_Eval_&_Promos_Med_Students.htm). Hard copies are available in the Office of Student Affairs.

Examinations serve to inform faculty about a student's grasp of course material and provide an indication of when academic help or remedial work is appropriate. Medical students are awarded the following grades on the basis of their academic performance: Honors, High Pass, Pass, Marginal Performance, or Fail. Grades and other information relative to a student's academic performance are transmitted to the Student Evaluation and Promotion Committee which, based upon an overall consideration of the student's grades, demonstrated knowledge, clinical performance, and suitability to practice medicine, decides whether a student should be promoted, continued with remedial work assigned, or dismissed. Any student whose record indicates that he/she is not qualified to continue the study of medicine will be dismissed.

Students can be referred for evaluation and counseling for academic or personal concerns through the Office of Student Affairs.

### Conduct and Discipline

Students are responsible for becoming familiar with and observing University regulations concerning student conduct and discipline as set forth in Part One, Chapter VI, Section 3 of the Rules and Regulations of The University of Texas System Board of Regents. A reference copy of the Rules and Regulations is available in the Dean's Office and the HAM-TMC Library.

For information regarding student academic and behavioral issues, contact:  
Margaret C. McNeese, M.D.  
Associate Dean for Student Affairs  
The University of Texas Medical School at Houston  
6431 Fannin, Suite G400  
Houston, Texas 77030

### Basic and Clinical Science Research Programs

Basic science and clinical research are essential components of the overall mission of the Medical School. The Medical School offers a Summer Research Program, which provides an intensive, hands-on, 10-week research experience for medical students during the summer after their first year. The program fosters development of scientific reasoning and other research skills. Students work closely with faculty mentors of their choice in ongoing research projects organized individually for each student. At the end of their research project, the student writes an abstract on their research – on which they are first-author. These abstracts are published and posted on the program's Web site.

Students also may participate in research

at anytime during their education, both during the summer and as an elective(s) during the regular academic year.

Short-term NIH training stipend support is available for a limited number of medical students, and other sources of financial support also are available.

Contact: Gary Rosenfeld, Ph.D.  
713-500-7435

## M.D. Expenses

### Tuition

Beginning 2005-06, the annual resident tuition is \$9975; annual non-resident tuition \$22875. The tuition amount includes designated tuition that is used for annual capital renewal, deferred maintenance, and bond retirement for the construction of new buildings.

Tuition will be pro-rated for students who are enrolled for less than a full course load or time period. Tuition for each academic year is due at the time of registration. Tuition and fees are subject to change according to the actions of the Texas State Legislature or the Board of Regents and may become effective when enacted.

Attendance during any part of an academic year will require payment of full tuition, subject to the refund provisions below.

Payment of tuition and fees may be made through the following alternatives:

1. full payment of tuition and fees in advance of the beginning of the academic year,
2. one-fourth payment of tuition and fees in advance of the beginning of the academic year, one-fourth prior to the ninth week of classes, one-fourth payment when classes resume following the Christmas recess, and one-fourth prior to the ninth week following the resumption of classes after the Christmas recess. A \$15 installment payment fee will be assessed for students utilizing payment alternative (one-time fee, per year). 2. A late payment fee of \$15 (in addition to the \$15 handling fee described in the previous

sentence) will apply to a delinquent initial payment. A \$10 charge will be assessed for any subsequent delinquent installment payment.

A student who fails to make full payment of tuition and fees, including any incidental fees, by the due date may be prohibited from registering for classes until full payment is made. A student who fails to make payment prior to the end of the academic year may be denied credit for the work done during the academic year. University records may be adjusted to reflect the failure of the student to have properly enrolled for that year. The University will not release the grades, degree or official transcript of any student who fails to pay tuition and fees owed to the University.

For specific information, contact:

Office of the Registrar  
The University of Texas Health Science Center at Houston  
7000 Fannin, Suite 2250  
PO. Box 20036  
Houston, Texas 77225

Or call 713-500-3361

Or email registrar@uth.tmc.edu

In general, residence in Texas for tuition purposes for an individual over 18 years of age is established if the individual has been gainfully employed within the state for a 12-month period immediately preceding registration in an institution of higher education. An individual who registers in the University before having resided in Texas for 12 months will be classified as a nonresident. An individual who has come to the state primarily for the purpose of education will be classified as a nonresident. For a specific listing of what constitutes a resident vs. nonresident, see the Registrar's Web

site, <http://registrar.uth.tmc.edu/>.

Texas law provides for the waiver of tuition and/or fees for students under certain conditions, such as veterans, deaf and blind students, students in foster or other residential care, educational aides, and high school graduates on Aid to Families with Dependent Children (AFDC).

Although classified as a nonresident, students falling within certain categories may be given the privilege of paying resident tuition. These categories include:

1. employment of a student as a teaching or research assistant in a state institution of higher education at least half-time in a degree-related position;
2. employment of a spouse or parent in a state institution of higher education in a faculty position, which is at least half-time on a regular monthly salary basis.
3. student who holds a competitive academic scholarship of at least \$1,000 for the academic year and which is awarded by a scholarship committee officially recognized by UTHSC-H. Specific details about all categories that give the privilege of paying resident tuition are available in the UTHSC-H Registrar's Office.

### Fees and Charges

Computer Fee	\$140
Pager Fee – Year 3 & 4 (Annual)	120
Graduation Fee*	60
Information Technology Fee	60
Health Insurance***	933
Installment Use Fee	15

Laboratory Fee - Year 1 & 2 (Annual)	35
Late Registration/Late Payment Fee	15
Library Resource Fee	75
Malpractice Insurance (Annual)	25
Microscope Fee - Year 1 & 2 (Annual)	60
Student Services Fee (Annual)**	277.08 - 356.88
Technical Skills Fee	200
Transcript Fee per Transcript	5

\*A graduation fee of \$60 payable at registration for the final academic term is required of all students. This fee does not include regalia rental.

\*\*The Student Services Fee, required of all students, provides for student activities, outpatient care by UTHSC-H Health Services, student counseling, a shuttle service, and recreational facilities. Optional family coverage is available. The fee varies depending on which academic year of medical school the student is enrolled.

\*\*\*Health insurance is required of all health science center students. If students have a health insurance policy, they may provide proof of comparable insurance to Auxiliary Enterprises no later than the 12<sup>th</sup> class to have this charge waived. Details on the insurance plan are with the Auxiliary Enterprise Office.

Through reciprocal agreements, students at other components of The University of Texas System, as well as graduate students from Rice University, Baylor College of Medicine, Texas Woman's University, and the University of Houston, may take graduate courses for credit at UTHSC-H, subject to the approval of the instructor. In addition, UTHSC-H graduate students may take courses for credit at any of the above institutions. Mechanism for payment of

tuition or registration fees vary according to the individual institution. Consult with that Registrar's Office for specific details.

### **Refund of Tuition and Fees**

1. Refunds of tuition and mandatory fees shall be made to students withdrawing from the institution during either the first half or second half of the academic year according to the following withdrawal schedule:
  - a. prior to first class day from which a 100% \$15 matriculation fee shall be assessed
  - b. during the first 5-class days- 80%
  - c. during second 5-class days- 70%
  - d. during third 5-class days-50%
  - e. during fourth 5-class day- 25%
  - f. after fourth 5-class days- None

The first half of the academic year begins with the commencement of classes at the beginning of the academic year and ends with the Christmas recess. The second half of the academic year begins when classes resume following the Christmas recess. Refunds for students withdrawing in the fall will be calculated to allow 100 percent refund for the spring period provided the student does not return for the spring period.

2. Refund of tuition and fees paid by a sponsor, donor, or scholarship will be made to the payer rather than directly to the withdrawing student.
3. The University shall terminate student services and privileges, such

as health services, library privileges, and facilities usage, when a student withdraws from the institution.

All policies regarding the payment or refunding of tuition, fees, and charges are approved by the Board of Regents of The University of Texas System and comply with applicable state statutes. If a person desires clarification of any matter relating to payment or refund of such charges, he or she should contact the Office of the Registrar.

### **Refund Under Installment Payment Plans**

Dropping courses or withdrawing from the University does not relieve a student of the responsibility for unpaid financial obligations to the University. Students enrolled in an installment payment plan will be required to continue making payments until the non-refundable portion of their accounts is paid in full. Refunds or credits are based on the percentage of tuition and fees charged, not on the percentage of tuition and fees paid. Contact the Registrar's Office for more information.

### **UTHSC-H Tuition and Fees Payment Policy**

1. Payment of tuition and fees is due no later than the end of the registration period.
2. A late fee (\$15) is charged to students who pay after the last day of regular registration.
3. Students whose checks are returned for insufficient funds will be charged a \$25 fee and will be given one

week to make a cash payment. If no cash payment is made during this interim, the Registrar will recommend to the Dean that the student be dropped from enrollment.

4. Students who have fees billed to a sponsor are financially responsible for any fees determined to be uncollectable by the Accounting Office from that sponsor. Furthermore, extended delays in collection of receivables from sponsors will require the student to make the uncollected payment. Student payments will be refunded upon receipt of payment from the sponsor.

### **Student Health Insurance**

Health insurance is required of all UT System health components. Students will be assessed the health insurance fee offered by the University but may have this insurance waived if they provide proof of comparable insurance to the Office of Auxiliary Enterprises by the 12<sup>th</sup> class day of the year.

### **Student Health Services**

The UT Medical School Health Services is located in The University of Texas Health Science Center Professional Building, Suite, Suite 1010. Students are seen on a walk-in basis Monday-Friday, 8:30 a.m. - 4:30 p.m. The clinic provides wellness and full-service health care for medical school students. For more details, see the General Information section.

### **Books and Supplies**

A laptop computer is required for en-

tering students. Students are advised not to purchase a computer until they receive detailed specifications. For the specifications, see the computer link here <http://www.med.uth.tmc.edu/admissions/new%20students.htm>

During the first year, the cost of textbooks and supplies averages \$1,444 (excluding cost of computer). In the second, third and fourth years of the curriculum, the cost of books and supplies ranges from \$471 to \$2849 each year.

### **Disability Insurance**

The Medical School encourages students to consider whether or not they wish to purchase disability insurance. The Office of Student Affairs has information regarding available plans.

### **Malpractice Insurance**

Students are required to show evidence of student liability insurance when enrolled in field experience courses that utilize off-campus facilities, if such facilities require the insurance. Basic coverage is included for \$25 a year and is part of required fees.

### **Student Financial Aid**

A student subject to selective service registration will be required to file a statement that the student has registered or is exempt from selective service registration in order to be eligible to receive financial assistance funded by State revenue.

The University of Texas Medical School at Houston has limited loan and scholar-

ship funds. These funds may be available based on proven financial need and/or academic excellence.

Enrolled or enrolling students can obtain application forms and complete information from:

Office of Student Financial Aid  
University of Texas Health Science Center at Houston  
P.O. Box 20036  
Houston, Texas 77225

## Transcripts

A student may obtain a transcript of their University of Texas Health Science Center at Houston record by:

1. making an online request via UTLINK,
2. submitting a Transcript Request Form in the Office of the Registrar
3. sending a letter signed by the student and accompanied with payment. Letters must include the student's name, Social Security number, date of birth, date of attendance at UT, degree conferred, and addressed to which the transcript should be mailed.

There is a \$5 charge per transcript. No transcripts will be issued showing only a portion of the student's academic record.

Students who owe debts to UTHSC-H may have their official transcripts withheld until the debts are paid.

For information, see <http://registrar.uth.tmc.edu/>.

## Name Change

The student's full, legal name will be used on all permanent academic records. The purpose of this policy is to effect a consistent use of the full, legal name on:

1. the permanent academic records;
2. certifications; and,
3. diplomas

The full, legal name will be initially obtained via the application for admission. The student is responsible for notifying the Registrar's Office of any name change after admission.

## Address and Phone Changes

Students are required to keep their current address and phone numbers on file with the Registrar's Office. They may make changes in their contact information via UTLINK, by visiting the Registrar's Office, or by contacting the Medical School Office of Student Affairs.

## Ethics

The UTHSC-H Medical School recognizes that in addition to intellectual capability and expert technical skills and knowledge, a good physician must have a solid and unassailable foundation and commitment to ethical behavior and principles. Patients and society at large expect and deserve no less. These principles are imbedded in the life of the Medical School and its faculty.

Because these principles are so important to the school, students are asked to make the same explicit commitment to them. The following are specific examples of how they are incorporated.

### Ethical Pledge

Incoming students are asked to agree to and sign the following ethical pledge following their acceptance to UTHSC-H Medical School.

- I acknowledge and accept the privileges and responsibilities given to me as a physician-in-training and dedicate myself to provide care to those in need.
- I will approach all aspects of my education with honesty and integrity, embracing opportunities to learn from patients, teachers, and colleagues.
- I will always maintain the highest standards of professional conduct.
- I will certify only that which I have personally verified, and I will neither receive nor give unauthorized assistance on examinations.
- I will value the knowledge of wisdom of the physicians who have preceded me.
- I will recognize my weaknesses and strengths and strive to develop those qualities that will earn the respect of my patients, my colleagues, my family, and myself.
- I will respect the humanity, rights, and decisions of all patients and will attend to them with compassion and without bias.
- I will maintain patient confidentiality and be tactful in my words and actions.
- I will value the diversity of patients' experiences, cultures, and beliefs because it enhances my ability to care for them and enriches my education.
- I will not forget that there is an art to medicine as well as a science and that warmth, sympathy, and understanding are integral to patient care.
- I will strive to earn the trust my patients place in me and the respect that society places upon my profession.
- I recognize the privileges afforded to me as a physician-in-training and promise not to abuse them.
- Even as a student I have a responsibility to improve the standard of health in my community, to increase access to care for the underserved, and to advance medical knowledge.
- As I accept these new responsibilities, I will not forget the importance of my own health and well-being. I will continue to value my relations with those who have supported me in the past and those who will share in my future.
- Knowing my own limitations and those of medicine, I commit myself

to a lifelong journey of learning how to cure, relieve pain, and comfort with humility and compassion.

- I make these promises solemnly, freely, and upon my honor.

### **White Coat Ceremony**

Shortly after matriculation, first-year students participate in a White Coat Ceremony, where they don white coats for the first time, recite the Hippocratic Oath and re-affirm the Ethical Pledge by signing their names in a book which is kept in the Office of Student Affairs.

This oath is sworn to at the White Coat Ceremony and at Commencement.

### **SCAIP**

The Student Committee for Academic Integrity and Professionalism (SCAIP) was formed in 2000 to serve as an advisory board to the Associate Dean for Student Affairs on matters of integrity and professionalism and to promote an awareness of these issues among the student body and the faculty. The Committee is composed of four representatives per class, two elected by the class and two appointed by the Associate Dean for Student Affairs. If a student is accused of academic dishonesty or unprofessional behavior, a voluntary jury, chosen at random from the student body, may be convened to discuss the facts and make recommendations to the Associate Dean about a penalty or course of action. Ultimate jurisdiction lies with the Student Evaluation and Promotions Committee or the Associate Dean for Student Affairs, depending on the nature of the alleged infraction. A summary of the cases considered by student juries and their final outcome is made available to the student body as needed.

## M.D. Academic Organization

The Medical School educational program is of four year's duration. The first two years are primarily focused on basic sciences, and the second two years are primarily focused on the clinical sciences. The first two academic years are each divided into two semesters, with three months of vacation provided between the first and second years. During the first two academic years, the student becomes familiar with the basic and applied biomedical sciences. During the second year, Problem-Based Learning is introduced to help the student understand basic science mechanisms in the context of clinical presentations.

The student progresses from a study of the fundamentals of molecular and cellular biology and normal morphology of the human body to the abnormal structure and function of the various organ systems. Concurrently, the techniques of interviewing, history-taking, and performance of physical and mental-status examinations are introduced along with appropriate behavioral, societal, and

ethical issues.

Clinical clerkships in the major clinical disciplines begin in the third year for a 12-month sequence. During the fourth year, there are additional required clerkships and five elective periods. After consultation with faculty advisers, each student develops an educational sequence for the fourth year that relates to his or her career goals and postgraduate educational plans. Seniors may take electives at any approved medical school elective program in the United States or abroad.

During medical school, the student is required to take two of the three examinations necessary for medical licensure: USMLE Step 1 is taken after completion of the basic science courses. USMLE Step 2 is taken during the fourth year.

The Curriculum Committee is the committee charged with approval, management, and evaluation of all aspects of the curriculum.

## Curriculum

The basic four-year program outlined below is required for the M.D. degree. Variations and adjustments may be made as the Curriculum Committee deems necessary.

### Basic Sciences

#### First Academic Year

Required Courses:

##### *Fall Semester/18 weeks*

Biochemistry  
Developmental Anatomy  
Gross Anatomy  
Histology  
Intro. to Clinical Medicine (cont'd in spring)

##### *Spring Semester/19 weeks*

Immunology  
Microbiology  
Neuroscience  
Physiology  
Intro. to Clinical Medicine

#### Second Academic Year

Required Courses:

##### *Fall Semester/18 weeks*

##### *Spring Semester/19 weeks*

Behavioral Sciences  
Ethics  
Genetics  
Fundamentals of Clinical Medicine  
Integrative Clinical Experience/  
Problem-Based Learning  
Pathology  
Pharmacology  
Physical Diagnosis  
Reproductive Biology  
Radiology/1 week  
Technical Skills

### Clinical Sciences

#### Third Academic Year

Begins in the first week of July/48 weeks. During this time there are four weeks of vacation and two 24-week rotation periods consisting of the following:

Required Clerkships	Number of Weeks
Medicine	12
Obstetrics & Gynecology	8
Pediatrics	8
Psychiatry	8
Surgery	8
Family Practice	4

#### Fourth Academic Year

*Begins in July/11 months*

Required Clerkships	Number of Weeks
Family Practice	1
Medicine	1
Neurology	1
Surgery	1

Required Elective Program:  
Students take a minimum of five one-month electives

Two months are available for vacation or additional electives

March elective month  
Jurisprudence  
ACLS

The Medical School's elective and preceptorship programs in the fourth year permit students to seek clinical opportunities away from Houston, at their own expense, ranging from family practice in rural communities to experiences in the most sophisticated settings requiring advanced technology. International clinical and research electives also are available. The School is fortunate regarding the wealth of

clinical opportunities available to its students.

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The fourth-year elective catalog is available online at [www.med.uth.tmc.edu](http://www.med.uth.tmc.edu).

## M.D. Curriculum Goals and Objectives

### Educational Goals and Objectives for The University of Texas Medical School at Houston Goals

- (a) Students should acquire a KNOWLEDGE AND UNDERSTANDING of health and its promotion; of disease and its prevention and management; and, of psychosocial factors that influence a patient's well-being, in order to provide competent and humane medical care to individuals, families, and the larger society. Furthermore, students should be able to use their knowledge and understanding appropriately in the care of patients. Students should have an opportunity to participate in scholarly activities including research.
- (b) Students should acquire and become proficient in basic clinical SKILLS, such as the ability to obtain a patient's history, to perform a comprehensive physical and mental status examination, to interpret the findings, and to demonstrate competence in the performance of basic technical procedures. Students should appreciate the appropriate use of technologies in assisting in diagnosis and management.
- (c) Students should acquire and demonstrate ATTITUDES that foster patient-centered care and support the highest standards of the medical profession.

### Educational Objectives

#### 1. Knowledge Objectives

At the conclusion of Medical School, students will have demonstrated knowledge and understanding of:

- (a) the sciences basic to the practice of medicine;
- (b) the most common diseases in terms of processes and presentation;
- (c) the environmental, social and cultural determinants of disease;
- (d) the principles of disease prevention and health promotion;
- (e) the principles of therapy including the management of acute illness, the care of the chronically ill, the amelioration of suffering, the relief of pain, and the care of the dying;
- (f) the basic principles of epidemiology and population health, and how to apply these principles to the individual patient;
- (g) the basic principles of genetics and how they apply to common chronic diseases;
- (h) outcomes that are important to the patient;
- (i) ethical, legal and spiritual issues relevant to the practice of medicine; and,
- (j) the organization, financing, and delivery of health care both in the hospital and in the community.

#### 2. Skills Objectives

Students must have acquired and demonstrated proficiency in their ability to:

- (a) communicate both with patients and their relatives, and with other professionals involved in the patient's care;
- (b) obtain and record a comprehensive history;
- (c) correctly perform a complete physical examination, and mental status examination;

(d) accurately interpret the findings obtained from the history, the physical examination, and other diagnostic procedures;

(e) construct a provisional assessment of the patient's problems and formulate with the patient a plan for investigation and management;

(f) perform basic clinical procedures;

(g) find and critically evaluate the best information for diagnosis and treatment; and,

(h) demonstrate the ability to work effectively as a member of a medical team.

### 3. Attitudinal Objectives

Students will have acquired and will behave in a manner that reflects attitudes of patient-centered care that are consistent with the highest standards of the medical profession, including:

(a) respect for patients and colleagues that encompasses diversity of background, belief systems, language and culture;

(b) recognition of patients' rights, including confidentiality and informed consent;

(c) approaches to learning that are based on curiosity and the exploration of knowledge that will continue throughout life;

(d) recognition of the moral and ethical responsibilities involved in patient care; and,

(e) recognition of the need to ensure that the highest possible quality of patient care must always be provided; and,

(f) recognition of the skills of various team members.

### 4. Core Competencies

The Medical School has developed a list of core competencies which all students should demonstrate prior to graduating with the M.D. degree. The competencies (modeled after ACGME competencies) are grouped under the following:

(a) patient care;

(b) medical knowledge;

(c) practice-based learning;

(d) interpersonal and communication skills;

(e) professionalism; and

(f) systems-based practice.

## Pre-Entry Program

The Pre-Entry Program is an intensive five-week program offered to a subset of students prior to the fall matriculation of the first year and includes a one-week course in the fundamental concepts of biomedical sciences followed by courses in anatomy, biochemistry, and physiology/neuroscience taught by senior faculty members. The noncredit program is designed to assist students prepare for the academic rigors of the medical school curriculum. Invitations to the program are sent to students who might benefit. Students may also request consideration for participation in this program.

A Peer Tutoring Service is available to all students at no charge.

For information about the Medical School's academic program, call 713-500-5140, e-mail: [Patricia.Butler@uth.tmc.edu](mailto:Patricia.Butler@uth.tmc.edu), or write:

**The University of Texas Medical School at Houston**

Patricia M. Butler, M.D.  
Associate Dean for Educational Programs  
The University of Texas Medical School  
at Houston  
6431 Fannin, JIL 304  
Houston, Texas 77030

Visit our Web site:  
[http://www.med.uth.tmc.edu/EdProg/  
ep/index.htm](http://www.med.uth.tmc.edu/EdProg/ep/index.htm)

For information about scheduling electives, contact:  
The Office of Student Affairs  
713-500-5160 or  
e-mail: [elective@dean.med.uth.tmc.edu](mailto:elective@dean.med.uth.tmc.edu)

## Joint Programs

### M.D./Ph.D. Program

The UT Medical School, the UT Graduate School of Biomedical Sciences, and the UT M. D. Anderson Cancer Center participate in a combined program leading to both the M.D. and Ph.D. degrees. This program is sponsored and supported by the health science center and the UT M. D. Anderson Cancer Center for the most qualified candidates. Failure to meet either the M.D. or Ph.D. program requirements will result in dismissal from both programs. The program is administered by an M.D./Ph.D. Committee and involves the participation of faculty members from both institutions. The requirements established for the program meet the general requirements of both degrees in a flexible program of approximately seven years duration.

Students must meet the admissions requirements of both the Medical School and the Graduate School of Biomedical Sciences to qualify for admission to the M.D./Ph.D. program. The program is restricted in size and provides stipend support for the most qualified candidates. For information, visit our Web site at [www.uth.tmc.edu/schools/gsbs/mdphd](http://www.uth.tmc.edu/schools/gsbs/mdphd)

Those interested in the M.D./Ph.D. Program should inquire through the Admissions Office of the Medical School, or apply directly with the director of the M.D./Ph.D. Program, Dr. Dianna Milewicz, Division of Medical Genetics, The University of Texas Medical School at Houston, 6431 Fannin, Room 4.202a, Houston, Texas 77030

You may also contact the M.D./Ph.D. Program coordinator, Doris Thornton at 713-500-7511 or by e-mail at: [Doris.E.Thornton@uth.tmc.edu](mailto:Doris.E.Thornton@uth.tmc.edu)

### M.D./M.P.H. Program

The UT Medical School and the UT School of Public Health conduct a combined service/learning program leading to an M.D. degree and a Master of Public Health in Sciences degree. This program is sponsored and supported by the UT Medical School. The requirements established for the program meet the general requirements of both degrees. The curricula are integrated along a five-year path to support student career objectives. Allowing for completion of the basic sciences and the first clinical year, students generally enroll in the M.P.H. year after the third year of medical school. They return to the Medical School to complete the final year of required medical school clerkships, courses, electives, and the M.P.H. degree thesis during the fifth year.

Students must meet the admission requirements of both schools to qualify for admission to the M.D./M.P.H. Acceptance to the SPH is accomplished by applying during the regular application cycle to the SPH in the winter prior to intended enrollment in the fall at the SPH. Up to 5 students each year may be selected for this pathway, and all are eligible for a tuition and partial living expenses scholarship for the year they are taking classes at the SPH. Those interested in the program should inquire through the Medical School Admissions Office or, after enrollment, through the Medical School Office of Educational Programs.

## Graduate Medical Education

The learning process encompasses more than the students' four years in medical school. All graduates will continue to expand their knowledge and refine their skills by seeking further supervised medical training.

Graduate Medical Education programs provide physicians the opportunity to prepare for practice in a medical specialty. Residency and fellowship programs focus on the development of clinical skills and professional competencies.

The Medical School conducts its residency training programs at hospitals and clinics affiliated with The University of Texas Medical School at Houston. Carefully organized and evaluated instruction in the various disciplines of medicine is offered. These accredited programs are recognized toward fulfillment of the requirements of the respective specialty boards. The Medical School programs participate in the National Residency Matching Program. Information and applications for residency or fellowship programs are available from the program directors listed in the American Medical Association (AMA) Directory of Residency Training Programs and the Fellowship and Residency Interactive Electronic Data (FRIEDA) program.

Sub-specialty residency programs are open to application by physicians who have completed their general residency training.

The Medical School offers residency programs in the following disciplines: Anesthesiology, Dermatology, Emergency Medicine, Family Medicine, Internal Medicine, Neurology, Obstetrics and Gynecology, Occupational Medicine, Ophthalmology, Otolaryngology, Orthopaedics, Pathology, Pediatrics, Plastic

Surgery, Psychiatry, Child Psychiatry, Diagnostic Radiology, General Surgery, Colon and Rectal Surgery, Urology, Oral Surgery, Internal Medicine/Pediatrics, and Physical Medicine and Rehabilitation. A Transitional Year Program also is offered.

For information on residency and fellowship programs at The University of Texas Medical School at Houston, write to:

The Office of Graduate Medical Education  
The University of Texas Medical School at Houston  
6431 Fannin, Suite JLL 310  
Houston, Texas 77030  
Web site: <http://www.med.uth.tmc.edu/gme/index.htm>

## Continuing Medical Education

Through a collaborative partnership with The University of Texas Medical Branch at Galveston, the Office of Continuing Medical Education (CME) offers traditional CME conferences, seminars, Grand Rounds, postgraduate courses, enduring materials, and other learning opportunities for physicians in Texas, as well as those from other parts of the United States.

These CME programs are available on various subjects, range in length from one hour to several days, and are offered throughout the year. The programs are sponsored by various medical school departments and divisions as well as by community hospitals and managed-care organizations.

The joint UTMB-UT-H CME program is fully accredited by the Accreditation Council for Continuing Medical Educa-

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tion. For further information, call 713-500-5249, e-mail <ms.cmeoffice@uth.tmc.edu > or write:

Office of Continuing Medical Education  
The University of Texas Medical School  
at Houston  
6431 Fannin, Suite JLL 450  
Houston, Texas 77030