

# impact on Dallas-Ft.Worth

The University of Texas at Arlington ★ The University of Texas at Dallas  
★ The University of Texas Southwestern Medical Center ★

Detail from  
Ransom Hall  
at UT Arlington

## The University of Texas System

### ECONOMIC IMPACT & DEVELOPMENT

The University of Texas System's two academic institutions and one health institution in the North Texas area — UT Arlington (UTA), UT Dallas (UTD) and UT Southwestern Medical Center — provide a tremendous economic impact on the region through employment, personal income, taxes, construction, attraction of new industry and public service. Together, the three institutions directly employ more than 17,400 faculty and staff members.

Since joining the UT System in 1965, UT Arlington has grown into a comprehensive research university with an annual budget of \$449.7 million and more than 3,500 faculty and staff. According to economic impact studies, UT Arlington adds more than \$1 billion to the regional economy. UT Dallas, with a budget of \$390.4 million, employs more than 3,100 faculty and staff. UT Southwestern's budget is \$1.69 billion, with more than 10,700 employees. According to an Institute for Economic Impact study, UT Dallas and UT Southwestern Medical Center contribute to a combined impact of approximately \$1.6 billion to the region and more than 23,000 jobs.

### STUDENTS & ALUMNI

In the fall of 2010, the three campuses had a total enrollment of 52,570 students and awarded more than 11,000 degrees in 2009-10.

UT Arlington's growing student body hails from 115 countries and ranges from recent high school graduates to successful business executives. More than 4,400 students live on campus. 8,120 of its more than 32,000 students are in graduate programs. UT Arlington remains one of the nation's best universities for ethnic diversity, as noted by *U.S. News & World Report's* Best Colleges 2010. Nearly 17 percent of UT Arlington students are Hispanic, and 14.3 percent black — figures that reflect the University's strong recruiting and retention efforts and a desire to help Texas close the gaps between the number of whites and ethnic minorities who attain degrees in higher education.

UT Dallas' more than 17,000 students are renowned for their academic qualifications and accomplishments in academic competitions and research. UT Dallas' average freshman SAT score is 1245, among the highest of any Texas public institution. UT Dallas consistently ranks among the top 100 colleges and universities in the United States in number of freshmen National Merit Scholars. About 45 percent of UT Dallas students are the first in their families to attend college. More than 60 percent of students are undergrads, and the rest are master's and Ph.D. students. Most — about 80 percent — will graduate with degrees in the sciences, engineering or management.

UT Southwestern's three degree-granting institutions, UT Southwestern Medical School, UT Southwestern Graduate School of Biomedical Sciences and UT Southwestern School of Health Professions train nearly 4,400 medical, graduate and health professions students, residents and postdoctoral fellows every year. By law, 90 percent of UT Southwestern Medical School's students are from Texas, which assures a consistent source of high-quality physicians for the state.



The Cecil and Ida  
Green Center  
for the Study of  
Science and  
Society at  
UT Dallas

# The University of Texas System

## ACADEMIC PROGRAMS AND GROWTH

UT Arlington is a leader as a comprehensive teaching, research and public service university, offering 81 baccalaureate degrees, 75 master's degrees and 30 doctoral degree programs. Areas of research excellence include bioengineering, medical diagnostics, drug-delivery systems, information technology, nanotechnology, micro-manufacturing and defense and Homeland Security technologies – key growth sectors of the economy.

- The state-of-the-art, 234,000-square-foot Engineering Research Building opened in January 2011 and is fostering new collaborations and innovations among faculty and students from multiple disciplines.
- UT Arlington has *U.S. News & World Report*-ranked graduate programs in Education, Engineering and Urban and Public Affairs. The UT Arlington School of Architecture was ranked in Top 20 of Design Intelligence's 2010 list of America's Best Architecture and Design Schools.
- UT Arlington's new TechComm partnership with the Arlington Chamber of Commerce is a national clearinghouse for matching clients and researchers to refine technology for real-world application and serves as a conduit to move research to market funded. The initiative is funded through a \$2.7 million U.S. Department of Defense grant.
- The College of Nursing is the largest nursing program in Texas and the sixth largest in the United States. It is designated as one of nine "High Performing" nursing programs in Texas based on RN initial licensure exam and graduation rates of more than 90 percent.
- The College of Education and Health Professions has expanded its reach to graduate students through a mix of classroom-based and online programs. The college is engaged in aggressively recruiting students interested in careers in science, math and technology education through a variety of programs, including the successful UTeach initiative, supported by Texas Instruments.
- Nationally-ranked College of Business programs include the accounting graduate program and the master of science in marketing research. UTA has the fastest-growing Executive MBA program in North Texas and is the only EMBA program that includes a graduate certificate in Asian Business Studies with a study-abroad experience in China.

UT Dallas is a comprehensive university with an emphasis on engineering, mathematics and the sciences. It offers more than 137 programs across seven schools. In the approximately 40 years since its founding, UT Dallas has been:

- Ranked consistently among the top 100 "Best Value" public colleges in the United States by *Kiplinger's Personal Finance*.
- Named one of the 50 best undergraduate institutions in the U.S. and Canada for the study game design, and home to one of the top 10 graduate programs for video game design, according to *The Princeton Review*.
- Listed among the nation's top business schools in *U.S. News & World Report's* first-ever survey of part-time MBA programs (22<sup>nd</sup>). *U.S. News* also ranked the University's full-time program 24<sup>th</sup> among public universities.
- Home of the first accredited telecommunications engineering degree in the U.S., and one of only a handful of institutions offering a degree in software engineering.
- Fourth in the country in graduate audiology programs and 12<sup>th</sup> in graduate speech-language pathology, as ranked by *U.S. News & World Report*.
- Site of the first doctoral degree in criminology in Texas.
- Third among public universities in Texas in the category "Best Graduate Schools of Engineering," according to *U.S. News & World Report*.



Stairwell leading to North Campus Plaza at UT Southwestern

# The University of Texas System

Established in 1943 as Southwestern Medical College, UT Southwestern Medical Center has grown from a small, wartime medical school into a multifaceted academic institution of nationally recognized excellence. UT Southwestern is nationally ranked in more specialty-care areas than any other health care provider in North Texas in *U.S. News & World Report's* America's Best Hospitals 2009-10.

- **UT Southwestern Medical School:** UT Southwestern rated as the nation's top medical school for Hispanics two of the past four years by Hispanic Business magazine. UT Southwestern has a total medical school enrollment of about 925 students for the 2010-2011 academic year. Of those, 115 students are Hispanic..
- **UT Southwestern Graduate School of Biomedical Sciences:** The graduate programs were initially established as part of the medical school's teaching program but have grown to include 10 programs in basic science and three in clinical science.
- **UT Southwestern School of Health Professions:** This school began in 1969 with four approved programs. It now offers a doctoral degree in physical therapy, bachelor's or master's degrees in six specialties, and certificates in four programs.

UT Southwestern's 2,624 faculty members include:

- Four who have won Nobel Prizes since 1985
- 19 members of the National Academy of Sciences
- 15 members of the American Academy of Arts and Sciences
- More than 200 specialists listed in "Best Doctors in America: Central Region"

## RESEARCH

The two universities and the medical center are steeped in research that brought nearly \$541 million in research and development spending to the campuses in the 2010 fiscal year.

Key areas of UT Arlington's topflight research include:

- **Biomedical diagnostics:** World-class faculty are developing high-tech imaging systems that help show surgeons exactly where to cut — particularly on patients who have previous scar tissue — to navigate the body more precisely and to protect critical organs during surgical procedures. Others are building magnetic surgical tools that can minimize scarring and reduce the number of abdominal incisions required for surgery.
- **Cancer therapy and drug delivery:** Biomedical engineers are working with fluorescent biomaterials found in common citric acid that can more efficiently deliver medicine to cancerous areas of the body, build temporary stents in arteries and even regenerate tissue. UT Arlington biophysicists are researching nanoparticles infused with medication that can release the needed drugs only in diseased areas, thereby decreasing the amount of toxins that cancer-fighting drugs release into the body. Chemists and biochemists are working to advance the ways that pharmaceutical companies develop new families of medications.
- **Energy independence:** Engineering faculty are pioneering technology that can convert lignite coal to oil and turn natural gas, which is plentiful in pockets of North Texas, into jet fuel. Their aim is to create new sources of energy using local resources and develop them to fit within today's infrastructure and delivery systems.



*Landscaping  
provides an  
enjoyable  
atmosphere to  
the UT Arlington  
campus.*

# The University of Texas System

Over the past decade, research funding at UT Dallas has increased more than five-fold, from \$15.9 million in 2000 to \$82 million in FY 2010. Research in next-generation technology and biotechnology is at the crux of many collaborative efforts at such UT Dallas centers as the NanoTech Institute; the Callier Center for Communications Disorders; the Center for Vital Longevity; the Center for Values in Medicine, Science and Technology; the Center for BrainHealth; the Institute for Interactive Arts and Engineering; and the Texas Analog Center of Excellence. The University offers undergraduate research awards ranging from small grants for which any student can compete to semester-long stipends that allow top students to take a sabbatical from the classroom to devote themselves entirely to research. The Natural Science and Engineering Research Laboratory has flourished as a facility that promotes and supports interdisciplinary collaborations among researchers in areas such as chemistry, biology, physics, electrical engineering and materials science.

To address enrollment growth in its School of Natural Sciences and Mathematics, UT Dallas added a \$29 million, 74,000-square-foot building called the Science Learning Center in June 2010. A comprehensive facility for focused, research-based education in math, science and engineering, the building is equipped to serve as a major laboratory for research on effective teaching and learning techniques, both at the collegiate level and kindergarten through 12<sup>th</sup> grade.

UT Southwestern's biomedical research advances totaled \$417 million in FY 2010. Investigations into cancer, neuroscience, heart disease and stroke, arthritis, diabetes and many other fields keep UT Southwestern at the forefront of biomedical research. Recent major research awards include:

- UT Southwestern receiving more than \$88 million for basic and patient-oriented research from the American Recovery and Reinvestment Act of 2009. UT Southwestern faculty members are principal investigators in more than 100 Recovery Act projects and other investigators received Recovery Act funds by virtue of being subcontractors on grants awarded to other institutions.
- The Cancer Prevention and Research Institute of Texas (CPRIT) has awarded more than \$82 million to investigators at UT Southwestern to support cancer-related projects and to recruit pre-eminent cancer investigators. UT Southwestern received the most funding of any Texas institution as part of CPRIT's grants for cancer research projects at academic institutions and private companies.
- The Harold C. Simmons Cancer Center attaining National Cancer Institute (NCI) designation, an elite distinction held by only the top-tier cancer centers nationwide. The Simmons Cancer Center is the first and only medical center in North Texas to attain this prestigious status, which the NCI awards in recognition of innovative research and excellence in patient care.



UT Southwestern  
North Campus

# The University of Texas System

## PATIENT CARE

UT Southwestern and UT Dallas bring significant benefits to North Texas through the health care they offer residents of the region and beyond. UT Southwestern Medical Center's physicians are equipped to bring the latest laboratory findings to more than 100,000 hospital patients and nearly 2 million outpatient visits annually at UT Southwestern University Hospitals & Clinics, Parkland Health & Hospital System, Children's Medical Center Dallas and the VA North Texas Health Care System. UT Southwestern's University Hospitals ranked as the best hospital in Dallas-Fort Worth in the *U.S. News & World Report's* America's Best Hospitals ratings for 52 metropolitan areas. The rankings recognize more than 600 hospitals in or near major cities with a record of high performance in key medical specialties. Nationally ranked Best Hospitals are at the top because of their extraordinary expertise. UT Southwestern Medical Center is nationally ranked in more specialty-care areas than any other health care provider in North Texas in *U.S. News & World Report's* America's Best Hospitals 2009-10. The UT Southwestern specialties and their respective ranks on the *U.S. News & World Report* list include: urology at 15; neurology and neurosurgery at 20; kidney disorders at 23; and gynecology at 33. The America's Best Hospitals guide identifies 174 out of about 4,800 medical centers nationwide that excelled in one or more of 16 specialties. The rankings in 12 of the 16 specialties weigh four elements equally: reputation, death rate, patient safety and a set of care-related factors such as nursing and patient services. In these 12 specialties, medical institutions have to pass through several criteria to be ranked in the Best Hospitals guide.

In late summer 2010, the UT System Board of Regents and the Texas Higher Education Coordinating Board approved plans for a new state-of-the-art University Hospital at UT Southwestern. The \$800 million facility, which will replace University Hospital - St. Paul, is a 12-story, 424-bed facility slated to open in 2015. It is an essential component of UT Southwestern's commitment to become one of the top 10 comprehensive academic medical centers in the nation. Construction of the 1.3 million-square-foot project starts in Spring 2011.

The UT Dallas Callier Center for Communication Disorders and the UT Dallas Center for BrainHealth provide services to individuals of all ages with speech, language and brain challenges. The two centers assisted more than 12,500 adults and children last year through clinical services and research initiatives. Established in 1962, Callier operates one of the top ranked audiology programs in the country.

## UT SYSTEM'S COMMITMENT

The core commitment of The University of Texas System is to education as a life-transforming experience. The System is dedicated to strengthening the entire education enterprise, from pre-kindergarten through post-graduate studies. UT's 15 institutions are composed of thousands of people who are making a difference in Texas and in the global community.



The Student Union  
Building at UT  
Dallas

# The University of Texas System

## facts at a glance

### UT ARLINGTON

Year Established: 1895  
Year Joined UT System: 1965  
Enrollment: 32,975 (Fall 2010)  
Degrees Awarded: 6,165 (2009-2010)  
Faculty: 1,446 (Fall 2010)  
Non-instructional Staff: 2,125 (Fall 2010)  
Budget: \$449.7 million (FY 2011)  
Research Spending: \$63.6 million (FY 2010)  
President: James D. Spaniolo  
For Information: 817-272-2222  
Website: [www.uta.edu](http://www.uta.edu)

### UT DALLAS

Year Established: 1961  
Year Joined UT System: 1969  
Enrollment: 17,128 (Fall 2010)  
Degrees Awarded: 4,515 (2009-2010)  
Faculty: 918 (Fall 2010)  
Non-instructional Staff: 2,262 (Fall 2010)  
Budget: \$390.4 million (FY 2011)  
Research Spending: \$82 million (FY 2010)  
President: David E. Daniel  
For Information: 972-883-2111  
Website: [www.utdallas.edu](http://www.utdallas.edu)

### UT SOUTHWESTERN MEDICAL CENTER

Year Established: 1943  
Year Joined UT System: 1949  
Enrollment: 2,467 (Fall 2010)  
Degrees Awarded: 485 (2009-2010)  
Faculty: 2,126 (Fall 2010)  
Non-instructional Staff: 8,581 (Fall 2010)  
Budget: \$1.7 billion (FY 2011)  
Research Spending: \$395.3 million (FY 2010)  
President: Daniel K. Podolsky, M.D.  
For Information: 214-648-3111  
Website: [www.utsouthwestern.edu](http://www.utsouthwestern.edu)



THE UNIVERSITY OF TEXAS SYSTEM  
Nine Universities. Six Health Institutions. Unlimited Possibilities.

[www.utsystem.edu](http://www.utsystem.edu)