



## ABOUT THE COLLEGE OF BUSINESS

UTSA's College of Business is accredited by AACSB International, the Association to Advance Collegiate Schools of Business. The college is one of the 40 largest business schools in the nation with more than 5,800 students.

Recognized for developing Knowledge for a New World™, the College of Business offers a comprehensive business curriculum with over 46 degree programs and has identified thematic areas in the areas of globalization, security, capital markets, transformational leadership, entrepreneurship and health and technology.

The College of Business has attracted faculty from a number of outstanding universities including Harvard University, Penn State, University of California at Berkeley, University of Illinois, University of Maryland, University of Michigan, University of Texas, University of Wisconsin and many others.

The UTSA College of Business was named one of the top 100 business schools nationwide for business faculty research according to the University of Texas at Dallas research rankings.



## ABOUT UTSA

UTSA is one of the premier institutions of higher education in Texas and has been one of the state's fastest-growing public universities for much of the last decade. Established in 1969, UTSA is the second-largest component of the UT System.

With more than 28,500 students enrolled, UTSA offers 64 bachelor's, 47 master's and 21 doctoral degree programs. Faculty includes more than 590 tenured and tenure-track faculty members with 98 percent holding doctorates or equivalent terminal degrees.

UTSA is positioned to become a top-tier research university and is rapidly moving toward classification as a doctoral/research intensive institution.

San Antonio is now the seventh-largest city in the United States and has retained its sense of history and tradition, while carefully managing its cosmopolitan progress.



## APPLICATION PROCESS

New students are admitted once a year to begin doctoral programs in the fall semester only. Doctoral admission is ongoing with a February 1 deadline to receive all admissions material for the following fall semester. Applications may be completed online at <http://www.utsa.edu/graduate>. Admission is competitive.



## DEGREE REQUIREMENTS

See the UTSA catalog for specific degree requirements at <http://www.utsa.edu/graduate>



## FINANCIAL SUPPORT

Our admitted students typically receive scholarships for tuition and fees and a paid teaching or research assistantship, with health benefits. Funding is normally guaranteed for up to four years.



**UTSA COLLEGE OF BUSINESS**  
Office of Graduate Studies and Research  
Business Building Room 4.01.18

(210) 458-7325 [cobphd@utsa.edu](mailto:cobphd@utsa.edu)  
<http://business.utsa.edu/phd>

**UTSA** COLLEGE OF BUSINESS  
THE UNIVERSITY OF TEXAS AT SAN ANTONIO

## PH.D. IN APPLIED STATISTICS



KNOWLEDGE  
FOR A NEW WORLD™

## PH.D. IN APPLIED STATISTICS

### PROGRAM DESCRIPTION

The University of Texas at San Antonio College of Business offers opportunities for advanced study and research leading to a Doctor of Philosophy degree in Applied Statistics. This program, housed in the Department of Management Science and Statistics, offers full- and part-time plans of study for interested candidates. Currently UTSA is one of only a few public universities in the state that offer this type of degree program.

In this age of advanced technology, there is an increasing demand for individuals with the expertise in designing experiments and analyzing large complex data sets via the latest advances in computing. The Ph.D. in Applied Statistics combines theory with applications to prepare students to pursue careers in academia, research organizations, government and private industry.

UTSA seeks to admit students with high intellectual capability, high motivation and the interest to pursue independent research projects. Students will have the opportunity to work closely with faculty members in small classes, seminars, research projects and other assignments aimed toward developing strong analytical skills, breadth of knowledge in statistical issues and strong competencies to conduct independent, quality research.

Students will take courses in Statistical Theory and Methodology, Simulation and Computing at UTSA. Students will also have the opportunity to take courses in Epidemiology and Clinical Trials taught at the University of Texas Health Science Center at San Antonio (UTHSCSA).

### CAREER OPPORTUNITIES

Statisticians are in very high demand in financial institutions and insurance companies to model risk and develop forecasting models. There is also a high demand for statisticians in the biomedical field to develop methods for evaluating the efficacy and safety of new medications and in the cutting edge research of bioinformatics.

Places of employment for graduates include think tanks, market research firms, manufacturing organizations, health science centers, pharmaceutical companies and financial institutions. Government agencies such as the Census Bureau, Environmental Protection Agency, Bureau of Labor Statistics, the National Institutes of Health and the Centers for Disease Control also require doctoral-level personnel.

### RESOURCES

Drawing upon the extensive expertise of faculty from UTSA and the UTHSCSA, the doctoral program faculty are uniquely prepared to meet the diverse needs of academic, medical and professional areas. The faculty includes individuals with extensive publication records in Bayesian methodology, biostatistics, data mining, discrete distributions, multivariate analysis, spatial analysis and survival analysis. Faculty members have been successful in obtaining grants from the National Institutes of Health and the National Science Foundation. They are also active in the statistics professional community.

The Statistical Consulting Center located in the department offers statistical expertise to faculty and students at UTSA and to researchers in the community. Doctoral students will have the opportunity to work on real-world applications. The center offers short courses on various statistical topics, including the use of statistical software for data analysis. Faculty members and doctoral students from the Department of Management Science and Statistics participate in the statistical research and educational services provided by the center.



### ADMISSION REQUIREMENTS

In addition to satisfying the University-wide graduate admission requirements, A BA, BS, MA or MS in Mathematics, Statistics or a closely related field is required. Students who have not taken mathematical statistics courses at the undergraduate level may be required to complete the equivalent courses in the appropriate background areas before taking graduate courses.

The admission requirements consist of:

- A cumulative grade point average of 3.3 or higher in the last 60 hours of coursework;
- A Graduate Record Examination (GRE) score from a recent (no more than five years prior to the application date) administration of the exam;
- Official transcripts of all undergraduate and graduate coursework completed;
- Three letters of recommendation from academic or professional sources familiar with the applicant's background;
- A curriculum vita and a statement of experiences, interests, and goals; and
- International students from non-English speaking countries must also submit a score of at least 550 on the Test of English as a Foreign Language (TOEFL). TOEFL scores may not be more than two years old.

Applicants may be asked to appear before the admissions committee for a personal interview.

**The Ph.D. in Applied Statistics offers students a choice of full- or part-time programs of study.**