Program Description
Actuaries work with all kinds of organizations to analyze data, assess risk, and estimate the probability and likely cost of occurrences such as death, sickness, injury, disability or loss of property. The Master of Science in Actuarial Science degree program educates future leaders of the actuarial industry by training them in actuarial theory and methods across a wide spectrum of actuarial applications involving probabilistic and statistical models.

The program offers students a wide variety of specialized courses in actuarial science, probability and statistics, financial mathematics, decision theory, economics and other related fields. Taught by top-tier faculty at The University of Texas at Dallas, Actuarial Science graduates have the proficiencies they need to take the seven professional actuarial examinations administered by the Society of Actuaries (SOA) and the Casualty Actuarial Society (CAS) and to serve as actuaries in fields such as accounting, finance, insurance, consulting, government and emerging markets. The University of Texas at Dallas Actuarial Program is recognized as the Society of Actuaries (SOA) Center of Actuarial Excellence (CAE), the highest level of SOA recognition for universities.

Benefits
The Actuarial Science master’s program ensures that students gain a broad understanding of the field, apply their knowledge and analytical skills to create effective and novel solutions to practical problems and communicate and work effectively in collaborative environments.

Other benefits include:

- **World-Class Faculty**: The program is led by faculty of the School of Natural Sciences and Mathematics who are widely cited experts in their respective fields.
- **Comprehensive Curriculum**: Courses in the Actuarial Science master’s program will introduce students to new ideas, technologies, and competencies while preparing them to succeed in competitive, ever-changing industries.
- **Facilities**: A cluster of buildings and research labs on the northwest side of campus comprise the over 300,000-square-foot space where students can explore the sciences including the famous Natural Sciences and Research Lab – the “mermaid building” and the Sciences Building. Opened in 2020, the 186,000-square-foot Sciences Building is home to state-of-the-art labs for advanced research in mathematical, biological and physical sciences.
- **Location**: Situated in the greater Dallas region—recently rated by *Forbes* magazine as the #1 “Best City for Jobs”—UT Dallas provides students with easy access to employers and internship opportunities, not to mention a large and supportive alumni population.

Career Opportunities
Graduates of the Actuarial Science master’s program go on to pursue professional careers in many different organizations and industries, including insurance companies and benefit consulting firms. Actuaries are also employed in banking, investments, government, energy, e-commerce, marketing, enterprise risk management and predictive analytics.
**Marketable Skills**
Students are prepared to be future leaders of the actuarial and risk management industries with a rigorous training through specialized courses in actuarial science, probability and statistics, finance, economics and related fields. It is crafted for career changers who intend to pursue fast-track actuarial credentials with no prior actuarial background.

**Application Deadlines and Requirements**
Please take note of all application deadlines and visit the Apply Now webpage to begin the application process. See the Department of Mathematical Sciences graduate programs website for additional information.

Applicants to the Actuarial Science master’s degree program should have:

- A bachelor’s degree or its equivalent. Students lacking undergraduate prerequisites for graduate courses in their area must complete these prerequisites before joining the program.
- GPA: There is no GPA cutoff for admission to the program. However, GPA is used in conjunction with other measures of student proficiency to determine the students’ potential for success in the graduate program.
- Test Scores: Currently optional.
- Letters of Recommendation: Applicants must submit three letters of recommendation from individuals able to judge the candidate’s potential for success in the master’s degree program.
- International applicants must submit a TOEFL score of at least 80 on the internet-based test. Scores must be less than two years old. See the Graduate Catalog for additional information regarding English proficiency requirements for international applicants.