Master of Science in Actuarial Science

Curriculum
The Master of Science in Actuarial Science (AS) degree program is administered through the Department of Mathematical Sciences. The objective of the program is to educate future leaders of the actuarial industry with training in actuarial theory and methods in a wide spectrum of actuarial applications involving probabilistic and statistical models. All students will be prepared to take five actuarial preliminary exams and will take two advanced actuarial classes to prepare for professional accreditation. Furthermore, students who did not take classes required for VEE (Validation of Educational Experience) credits in statistics, finance and economics will have such opportunity. With this combined knowledge of mathematics — particularly of probability, statistics and decision theory — together with knowledge of financial mathematics and insurance, the expected passing of five actuarial exams and the three required VEE credits, graduates of the program will be able to work as senior actuaries in insurance, consulting, finance, government and emerging markets.

Career Options
Graduates of the program seek positions such as: professionals in insurance industry, government, consulting, financial or accounting firms. Available emphases in statistics and mathematics ensure that candidates can tailor their future career by having targeted their educational background to their subdiscipline of choice. The jobs of a mathematician, statistician and actuary consistently appear among the top jobs in the rankings of 200 jobs by CareerCast’s Jobs Rated Almanac based upon factors such as work environment, income, hiring outlook and stress.

For example, the top four jobs according to their 2015 rankings are
1. Actuary
2. Audiologist
3. Mathematician
4. Statistician


Degree Program
The MS in Actuarial Science requires the completion of a minimum of 36 semester credit hours.

For complete admission and degree requirements, view the Graduate Catalog at catalog.utdallas.edu.

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