Master of Science in Mathematics

Curriculum
The Mathematics MS degree curriculum at The University of Texas at Dallas offers a balanced list of applied and theoretical courses and attractive electives. To satisfy the degree requirements, the Mathematical Sciences Department currently offers a choice between four tracks:

Mathematics track: Students who choose this option pursue courses in the pillars of mathematics. Graduates may pursue a PhD in Mathematics or jobs in the industry requiring sophisticated mathematical skills.

Applied Mathematics track: Students who choose this option pursue courses in foundational mathematics and its modern applications. Graduates may pursue a PhD in mathematically oriented science or jobs in industry requiring sophisticated mathematical skills.

Engineering Mathematics track: Students who choose this option pursue courses in foundational mathematics and its applications rooted in engineering and finance. Graduates may pursue a PhD in mathematically oriented science or jobs in engineering and finance sectors.

Data Science track: Students who choose this interdisciplinary track take a balanced mix of courses in statistics, computer science and mathematics in order to become a data scientist and take on the challenges of Big Data. Upon graduation, these students seek employment or may continue into a PhD program in data science.

Career Options
Graduates of the program seek positions such as: professional in industry, government, consulting firm or financial firm, and teacher in community college. Available emphases allow candidates to tailor their future careers by having targeted their educational background to their subdiscipline of choice. The job of a mathematician consistently appears 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 more information about careers in mathematics, view the career page of American Mathematical Society at http://www.ams.org/profession/career-info/career-index.

Degree Program
The MS in Mathematics 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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