

# School of Natural Sciences and Mathematics

## Master of Science in Statistics



### Curriculum

The Statistics MS degree curriculum at The University of Texas at Dallas offers a balanced list of applied and theoretical courses and attractive electives. Through the course of study, students acquire the necessary skills to prepare them for high level careers in fields that require sophisticated data analysis skills.

To satisfy the MS degree requirements, the Mathematical Sciences Department currently offers a choice between three tracks:



- **Statistics track:** Students who pursue this track receive a solid foundation and deep background in theoretical and applied statistics. This prepares them for possible continuation in the PhD program in statistics at UT Dallas or another major research university or the opportunity to enter the job market.
- **Applied Statistics track:** Students who choose this track typically seek immediate employment after completing their degree and do not plan to continue their education at the doctoral level. This track is also popular among students who already have a background in another discipline, but would like to build expertise in statistics to enhance their employment opportunities.
- **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

Statisticians seek employment in any field where there is a need to collect, analyze and interpret data — including pharmaceutical, banking and insurance industries, and government. The job of a statistician consistently appears near the top 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 statistics, view the career page of American Statistical Association at [www.amstat.org/careers/index.cfm](http://www.amstat.org/careers/index.cfm).

UT Dallas MS graduates are currently employed in positions such as statisticians, biostatisticians, quantitative analysts, managers, or they continue into doctoral degree programs.

### Degree Program

The MS in Statistics 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](http://catalog.utdallas.edu).

### Contact Information

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