The Master of Science in Data Science degree at the University of North Texas is designed to meet the rising demand for highly skilled data science and data analytics professionals. It prepares students for careers in data science and analytics, with a broad knowledge of the required tools, techniques, and methods. The program focuses on relevant areas such as statistical analysis, natural language processing, computational linguistics, machine learning, information retrieval, information visualization, social network analysis, text analytics, and data mining.

Students acquire the types of skills and competencies needed to design, implement, and transform sets and large volumes of information into actionable knowledge. It provides students with the knowledge needed to manage data science and data analytics projects and work with analytics tools and technologies. The program is aimed at educating a new generation of information professionals, capable of taking the leadership role through connecting the dots and using data to support strategic initiatives within the organization.

COURSE DELIVERY

The program offers rich content, and is offered completely online, or students can select from a combination of face-to-face, online, and blended courses. Major core courses include:

- Fundamentals of Data Analytics
- Analytic Tools, Techniques & Methods
- Applied Machine Learning for Data Scientists

CAREER PATHS

- Data Scientist
- Analytics Manager
- Data Analyst
- Business Analyst
- Data Architect
- Business Intelligence Analyst
- Data Mining Engineer
- Machine Learning Engineer
- Research Scientist
- Statistician
Admission Requirements

- An undergraduate degree or higher from an accredited institution
- Overall undergraduate GPA of at least 3.2 or a 3.5 GPA on a completed Master’s degree

How to Apply

The application process consists of two steps:

1. Apply to the UNT Toulouse Graduate School
   a. Complete an online application & pay application fee
   b. Submit transcripts from all colleges attended

2. Apply to the Information Science Department and upload:
   a. One-page statement of purpose
   b. Two letters of recommendation
   c. A current resume/CV

* International applicants must demonstrate English Language Proficiency by submitting TOEFL or IELTS scores.

Degree Requirements

- 9 credit hours of core courses
- 24 credit hours of electives
- 3 credit hours of field experience or research seminar in the area of data science or a closely related topic

About UNT

The University of North Texas, established in 1890, is one of the largest student-focused public research universities, dedicated to providing superior graduate education, scholarship and artistic endeavors. Ranked a Tier One research university by the Carnegie Classification, UNT is a catalyst for creativity — fueling progress, innovation and entrepreneurship for the North Texas region and the state. Our programs are internationally recognized with research and scholarship spanning all disciplines. We offer 113 bachelor’s, 94 master’s and 37 doctoral degrees.

UNT is located in Denton, a city about 30 miles north of Dallas and Fort Worth. For more information, visit www.unt.edu