GET YOUR M.S. IN DATA SCIENCE

The **Master of Science in Data Science** program 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, AI, LLM, XR, 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 through hands-on experiences, and project-based learning. 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.

36 Hour Program

- **9 Hours Required Courses**
- **15 Hours Guided Electives**
- **6 - 9 Hours General Electives**
- **3 - 6 Hours Practicum / Internship / Research Project / Thesis**

Admissions Considerations

- **GRE Not Required**
- **No Backlog Accepted (no failures on transcript)**
- **Average GPA of Admitted Students is 3.63 (last 2 semesters)**
- **Minimum GPA is 3.2**

Funding

- **Competitive Graduate Assistantships and Scholarships are Available**

Marketable Skills

- **Software Engineering for Data Science Projects**
- **Statistical Analysis and Applications**
- **Data Curation, Analysis, Design and Management**
- **Machine Learning and Artificial Intelligence**
- **Data Mining and Information Access**
- **Data visualization and Presentation**

Contact Us:
ci-advising@unt.edu
https://datascience.unt.edu/programs/msds

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Why choose UNT's M.S. in Data Science?

- Master's in data science program ranked 5th in the nation by Fortune magazine
- Our research labs and research centers are vehicles of transformative research and education in the data sciences for faculty and students to focus on real-world hands-on projects funded by NSF, industry and federal agencies. UNT College of Information research labs include the Data Innovation Lab, Intelligent Information Access Lab, Data Visualization and Extreme Reality Lab, Visual Thinking Lab, Secure, Reliable, and Intelligent Systems Lab, and the Security and COgnitive REcommender Systems Laboratory.
- Faculty are widely published in leading international journals and provide leadership within professional organizations.
- A dedicated career coach helps students prepare for the job market.

Possible Career Paths

- **Data Scientist**
- **Analytics Manager**
- **Data Analyst**
- **Data Engineer**
- **Business Analyst**
- **Data Architect**
- **Business Intelligence Analyst**
- **Software Engineer**
- **Data Mining Engineer**
- **Machine Learning Engineer**
- **Research Scientist**
- **Big Data Engineer**

"At the point when I began this program, I did not have an exceptional background in Data Science and coding. From Machine Learning to Deep Learning and Data Engineering, this master's program has taught me everything in the field of Data Science. One of the most striking favorable circumstances of this program is furnishing the students with occasions to pick up experience on new advances in Data Science. I would like to thank my professors for their contributions and the amicable way they have helped me through the program."

Mani Sundar Pathuri
MS Data Science Student

Course Offerings Include

- **Principles and Techniques for Data Science**
- **Data Analysis and Knowledge Discovery**
- **Applied Machine Learning for Data Scientists**
- **Applied Deep Learning for Data Scientists**
- **Generative AI and Large Language Models for Data Science**
- **Software Engineering for Data Scientists**
- **Virtual Reality and Its Applications**
- **Data Visualization and Communication**
- **Information Retrieval Design**

1-14-2025

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