



**LINDSEY
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UNIVERSITY

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ADDENDUM TO THE 2025--2026 ACADEMIC CATALOG
M.S. Data Science
Approved by Faculty Assembly on September 15, 2025 (updating
information on pp. 298-300)

M.S.

Data Science

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Mission Statement

The mission of the Master of Science in data science (M.S.D.S.) program is to prepare students for employment in various data science and data management related areas and/or the pursuit of advanced degrees in data science fields by educating them in the knowledge and application of data science concepts and methods. Employers are increasingly recognizing the value of employees who have this expertise. Today, data scientists are working at a range of organizations, including in fields such as product development, marketing, and public health as well as scientific research in areas such as genomics, drug discovery, climate science, neuroscience, particle physics, and research institutions. The sheer amount of data available to firms and the tools used to analyze this information have expanded tremendously in the past decade.

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Curriculum

The School of Graduate Business & Technology's Master of Science in data science is an application-based program which requires 33 credit hours of core coursework in statistics, data science and machine learning. The courses are all offered in a flexible online or hybrid format.

A. Core Curriculum: 30 hours

- Python Programming (MSDS 5033) – 3 hours
- Probability & Inference for Data Science (MSDS 5103) – 3 hours
- Introduction to Statistical Modeling (MSDS 5113) – 3 hours
- Fundamentals of Data Science (MSDS 5123) – 3 hours
- Data Systems & Algorithms (MSDS 6203) – 3 hours
- Programming in Data Science (MSDS 6213) – 3 hours
- Data & Database Management with SQL (MSDS 6403) – 3 hours
- Presentation & Visualization of Data (MSDS 6413) – 3 hours
- Machine Learning & Artificial Intelligence (MSDS 6503) – 3 hours
- Applied Capstone Project (MSDS 6903) – 3 hours

B. Select One of the Following Options: 3 hours

- Hybrid format: ~~Internship~~ Career Development (MSTM 5901) – 1.0 hour* -- or --
- Online format: Advanced Topics in Data Science (MSDS 6913) – 3 hours

**Students selecting this option must earn a minimum of 3 credit hours and be continually enrolled in the course during the program.*

TOTAL HOURS: 33-35 credit hours

Admission

Program Application Procedure

Applicants to the M.S.D.S. program will need to:

1. Complete the Graduate School Application for Admission form, which must be submitted online with non-refundable fees of USD 35.00; *and*
2. Submit either:
 - a. Official undergraduate transcripts documenting the completion of a U.S. undergraduate degree from an institution with U.S. Department of Education recognized institutional accreditation or its equivalent from a governmentally recognized or similar authority as a postsecondary, academic degree-granting institution of higher learning with the equivalent of a 2.5 GPA; *or*
 - b. Official graduate transcripts documenting completion of a graduate degree from an institution with U.S. Department of Education recognized institutional accreditation. Official graduate transcripts from a nationally accredited institution or its equivalent from governmentally recognized or similar authority as a postsecondary, academic degree-granting institution of higher learning will be considered for admission on a case-by-case basis.

International Student Application Procedures

An international student's success will rest on the ability to understand, read, write, and speak English as all classes in the program are delivered in English. Thus, in addition to the application materials required of students from the United States, international students applying to a graduate program must provide proof of English proficiency based on:

- TOEFL minimum score:
 - Internet-based (iBT): 79 composite,
 - Paper-based, 550; *or*
 - Revised Paper-delivered: 21 writing and 19 reading;
- IELTS minimum composite score of 6.5 (score of 6.0 may be considered);
- Duolingo 100;
- English is the student's native language; *or*
- Student completed undergraduate or graduate program at an accredited U.S. institution or equivalent English-speaking institution.

Students who fail to demonstrate English proficiency may still be considered for admission but will be required to successfully complete a provisional ESL (English as a Second Language) course before being officially accepted into the program and enrolling in classes.

The English proficiency standards apply to domestic students who have not received an undergraduate degree from an English-speaking institution.

Transfer of Credit

The program will accept up to ~~six~~ **nine (9)** credit hours in transfer for equivalent courses from institutions with U.S. Department of Education recognized institutional accreditation.

All master's students who wish to transfer graduate credit from other institutions to be applied to Lindsey Wilson University's M.S.D.S. degree should be aware of the following criteria:

- Transfer credit must carry a grade of B- or higher and must be earned at the graduate level.
- Transfer credit must be consistent with the program's curriculum.

Graduate Credit without the Bachelor's Degree

The following criteria apply to those students who wish to enroll in master's coursework but who have not earned a bachelor's degree:

- Undergraduates must have senior status;

- They must have a cumulative quality point average of at least 3.0; *and*
- They must have the permission of the dean.

No coursework applied toward undergraduate graduation requirements may be counted toward requirements for a graduate degree. A maximum of nine graduate credit hours may be taken by an undergraduate.