

## MASTER OF SCIENCE IN

# Data Science



Mercer's **Master of Science (M.S.) in Data Science** prepares students to solve real-world problems using advanced artificial intelligence techniques and data science tools. The program includes coursework in programming, data structures, algorithms, computational statistics, and machine learning, along with specialized areas like deep learning and natural language processing (NLP).

Students also learn how to model and analyze complex datasets, build predictive models, and apply AI to real-world challenges across industries. The curriculum combines core computer science principles with hands-on experience that culminates in a capstone project.

Graduates leave the program with a strong foundation in both theory and practical application, ready to pursue careers in fields like cybersecurity, healthcare, energy, transportation, and more.

### PROGRAM DETAILS

**Format:** Online

**Start Terms:** January and August

**Course Length:** 8 weeks

**Completion Time:** 18–24 months

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## Program of Study

### Major Core Requirements: 12 hours

- INFD 601 Introduction to Data Science and Analytics\*
- INFD 602 Foundations of Programming\*
- INFD 611 Foundations of Statistics\*
- INFD 622 Applied Data Mining and Machine Learning\*

### Major Requirements: 24 hours

- INFD 605 Advanced Data Structures and Algorithms
- INFD 621 Computational Statistics for Data Science
- INFD 631 Cloud Computing and Applications
- INFD 635 Big Data and Unsupervised Machine Learning
- INFD 645 Natural Language Processing in Data Science
- INFD 651 Computer Vision for Data Intelligence
- INFD 661 Deep Learning for Data Science
- INFD 799 Capstone in Data Science

### Total Degree Requirements: 36 hours

\*Courses shared with the M.S. in Business Analytics in the Stetson-Hatcher School of Business.



## SPECIAL CONSIDERATION PROGRAM

Qualified Mercer undergraduate students and alumni who graduated within the last two years may be eligible to become a Double Bear and earn a Mercer graduate or professional degree—including the Master of Science in Data Science—through the University's Special Consideration Program. Program benefits include a waived application fee, priority admission consideration, and a Double Bear Scholarship.

## Admission Requirements

Applicants seeking graduate admission must have bachelor's degree with an acceptable grade point average from a college or university accredited by an institutional accreditor recognized by the U.S. Department of Education.

### REQUIRED APPLICATION MATERIALS INCLUDE:

- Completed application
- \$35 application fee (\$100 for international students)
- Official transcripts from all previously attended institutions
- Professional letter of recommendation
- Résumé

*International applicants should consult the University catalog for additional requirements.*



### CONTACT US

Graduate Admissions

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