

Analytics

The Master of Science in Analytics (MSA) is uniquely designed to equip students for the task of deriving and effectively communicating actionable insights from a vast quantity and variety of data. It is an intensive 10-month degree with a strong practical orientation focused on the tools and methods used by data scientists. It is a fully integrated course of study taught exclusively to MSA students and designed to produce well-rounded professionals. Student teams tackle genuine problems with data provided by industry and government sponsors.

Admission Requirements

Admission to the MSA program is highly competitive. The best-qualified applicants will be accepted up to the limited number of seats available for students each year. The admissions committee evaluates candidates on criteria such as:

- overall academic record and grade point average;
- academic performance in analytical/quantitative subjects;
- relevant employment experience and potential to succeed in the profession; and
- leadership potential, integrity, and other personal character traits.

The Institute welcomes applications from highly motivated individuals of exceptional talent regardless of undergraduate major. Applicants without prior coursework in statistics and/or experience with computer programming would need to complete a set of prerequisite courses before qualifying as a candidate for admission.

Master's Degree Requirements

Students complete 30 credit hours of defined coursework in a period of ten months beginning in Summer Session II and ending the following Spring semester. The integrated curriculum is designed to provide a focused education in the software tools, methods and applications of data analytics.

Other Relevant Information

Students must begin the degree program in the first semester (Summer Session II) and complete all 30 credit hours of the curriculum. The program is designed for full-time students only. Applications for admission are reviewed between September and April.

2023-2024 Program Schedule

Summer II 2023: AA 500 and AA 501

- Start date: June 26, 2023
- Census date: June 28, 2023
- End date: July 29, 2023
- Communication Training (required): July 31 - August 11, 2023

Fall 2023: AA 502 and AA 504

- Start date: August 17, 2023
- Census date: September 1, 2023
- End date: November 29, 2023
- Practicum project work, midpoint presentations, career and professional development activities (required): November 30 - December 15, 2023

Spring 2024: AA 503 and AA 505

- Start date: January 8, 2024
- Census date: January 22, 2024
- End date: April 26, 2024
- Spring Commencement: May 4, 2024

Degrees

- Analytics (MS) (<http://catalog.ncsu.edu/graduate/institute-advanced-analytics/analytics/analytics-ms/>)

Full Professors

Christopher G. Healey

Michael A. Rappa

Practice/Research/Teaching Professors

Susan Jeanne Simmons

Aric David LaBarr

Christopher West

Andrea Villanes Arellano

Sarah Egan Warren