APPLIED STATISTICS, M.S.

The Department of Mathematics and Statistics offers a Master of Science degree with a major in Applied Statistics. The Applied Statistics graduate program is designed to provide students with excellent data analytics training and problem-solving skills for employment in various settings such as the health and insurance sectors, government agencies, and business entities.

For information regarding deadlines and requirements for admission, please see https://grs.uncg.edu/programs/.

In addition to the application materials required by the Graduate School, applicants must submit the following documents with the application:

- Personal statement summarizing the applicant's background and professional interest.
- Three reference letters.
- Official transcripts from all previous institutions.

Applicants are required to have a bachelor's degree in math, statistics, or related quantitative field from an accredited college or university or appropriately evaluated credentials for non-U.S. institutions. An undergraduate minimum GPA of 3.0 is required. TOEFL or IELTS scores are required for international applicants.

Degree Program Requirements

Required: 30 credit hours

Code	Title	Credit Hours
Required Courses (15 credits)		
STA 602	Statistical Methods for Data Analytics	3
STA 606	Solving Problems with Data Analytics	3
STA 631	Introduction to Probability	3
STA 632	Introduction to Mathematical Statistics	3
STA 640	SAS System for Statistical Analysis	1
STA 668	Consulting Experience [*]	2
Elective Courses (12 credits)		
Select 12 credits of electives from 600- and 700-level STA courses [**]		12
Capstone Experience (3 credits)		
STA 698	Project in Statistics	3
Total Credit Hours		**30**

[*] *A total of 2 credits in STA 668 is required.*

[**] *Up to 6 credits may be selected from graduate courses in other departments, including:*

- *Mathematics*
- *Computer Science*
- *Economics*
- *Educational Research Methodology*
- *Informatics and Analytics*
- *Information Systems and Supply Chain Management*

Accelerated B.A. or B.S. to M.S. in Applied Statistics

Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.A. or B.S. in Mathematics may apply for admission to the Accelerated Master's Program (AMP) and the M.S. in Applied Statistics program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. All applicants must submit the Accelerated Master's Program information when applying for admission to the M.S. in Applied Statistics.

Courses

Admitted students may apply up to 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degree, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements. The graduate courses the student will take within the Accelerated Master's Program in Applied Statistics must be approved by the Graduate Program Director, must be specified on the Accelerated Master's Program request, and must be selected from the following list.

Code	Title	Credit Hours
STA 602	Statistical Methods for Data Analytics	3
STA 606	Solving Problems with Data Analytics	3
STA 631	Introduction to Probability	3
STA 632	Introduction to Mathematical Statistics	3

Please consult with your undergraduate advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All requirements for the M.S. in Applied Statistics remain the same.