

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/>.

Degree Program Requirements

Required: 30 credit hours

Code	Title	Credit Hours
Required Courses (12 credits)		
STA 602	Statistical Methods for 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 (15 credits)		
Select 15 credits of electives from 600- and 700-level STA courses **		15
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. in Mathematics, the B.S. in Mathematics, or the B.S. in Statistics may be nominated to participate in the Accelerated Master's Program (AMP) by the Graduate Program Director. Students must have completed a minimum of 60 credit hours with at least 30 credits and a cumulative undergraduate GPA of at least 3.5 at UNC Greensboro.

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
STA 642	Statistical Computing	3
STA 670	Categorical Data Analysis	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.