

# STATISTICS, B.S.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- A minimum grade of C (2.0) is required for all CSC, ISM, MAT, and STA courses to count towards the major.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements ( <a href="https://catalog.uncg.edu/academic-regulations-policies/undergraduate-requirements/undergraduate-degrees-and-degree-requirements/">https://catalog.uncg.edu/academic-regulations-policies/undergraduate-requirements/undergraduate-degrees-and-degree-requirements/</a> )		
General Education Requirements (MAC) ( <a href="https://catalog.uncg.edu/academic-regulations-policies/undergraduate-requirements/general-education-program/#generaleducationcorerequirementstext">https://catalog.uncg.edu/academic-regulations-policies/undergraduate-requirements/general-education-program/#generaleducationcorerequirementstext</a> )		
College of Arts and Sciences Additional Requirements (CIC) ( <a href="https://catalog.uncg.edu/arts-sciences/#additionalundergraduatrequirementstext">https://catalog.uncg.edu/arts-sciences/#additionalundergraduatrequirementstext</a> )		

## Major Requirements

Code	Title	Credit Hours
<b>Mathematical Foundations</b>		<b>15</b>
MAT 196	Calculus A	
MAT 296	Calculus B	
MAT 396	Calculus C	
MAT 310	Elementary Linear Algebra	
<b>Programming</b>		<b>3</b>
<i>One course chosen from the following:</i>		
CSC 120	Introduction to Computer Programming for Non-Majors	
CSC 130	Introduction to Computer Science	
CSC 220	Elementary Data Structures-A Transition	
CSC 230	Elementary Data Structures and Algorithms	
<b>Fundamental Statistics</b>		<b>9</b>
STA 290	Introduction to Probability and Statistical Inference	
STA 301	Statistical Methods	
STA 352	Statistical Inference	
<b>Advanced Statistics</b>		<b>12</b>
<i>Two additional STA courses at the 300 level or above.</i>		
<i>Two additional STA courses at the 400 level.</i>		
<b>Electives</b>		<b>6</b>
<i>Two additional courses chosen from the following:</i>		
CSC 405	Data Science	
CSC 425	Bioinformatics	
ISM 218	Database Systems	
MAT 253	Discrete Mathematical Structures	
MAT courses at the 300 level or above. *		
STA courses at the 300 level or above.		

<b>Capstone Experience</b>	<b>3</b>
MAT 490	Senior Seminar in Mathematics

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*The following courses are not eligible to count towards the Electives requirement:*

- MAT 405
- MAT 406
- MAT 465

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

## 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.