STATISTICS AND ANALYTICS MINOR

Statistics and analytics is an excellent program for students interested in statistical data science, operations research, and actuarial science, as well as in fields such as business, economics, public policy and health, psychology, and biomedicine, where the decision and statistical sciences play an increasingly important role.

In addition to the program requirements listed below, students must:

- take at least nine hours of their minor "core" requirements at UNC–Chapel Hill
- earn a minimum cumulative GPA of 2.000 in the minor core requirements. Some programs may require higher standards for minor or specific courses.

For more information, please consult the degree requirements section of the catalog (https://catalog.unc.edu/undergraduate/degree-requirements/).

Code	Title	Hours
Core Requirements		
STOR 155	Introduction to Data Models and Inference [F]	3-4
or STOR 120	Foundations of Statistics and Data Science	
STOR 305	Introduction to Decision Analytics [1]	3
or STOR 415	Introduction to Optimization	
Three courses from among: [2]		9
STOR 215	Foundations of Decision Sciences	
or MATH 381	Discrete Mathematics	
STOR 320	Introduction to Data Science [3]	
STOR 435	Introduction to Probability [4]	
STOR 445	Stochastic Modeling	
STOR 455	Methods of Data Analysis	
STOR 471	Long-Term Actuarial Models	
STOR 472	Short Term Actuarial Models	
STOR 475	Healthcare Risk Analytics	
STOR 515	Dynamic Decision Analytics	
STOR 520	Statistical Computing for Data Science [3]	
STOR 535	Probability for Data Science [4]	
STOR 538	Sports Analytics	
STOR 555	Mathematical Statistics	
STOR 556	Time Series Data Analysis	
STOR 557	Advanced Methods of Data Analysis	
STOR 565	Machine Learning	
STOR 566	Introduction to Deep Learning	
STOR 572	Simulation for Analytics	
Total Hours		**15-16**

[F] FY-Launch class sections may be available. A FY-Launch section fulfills the same requirements as a standard section of that course, but also fulfills the FY-SEMINAR/FY-LAUNCH First-Year Foundations requirement. Students can search for FY-Launch sections in ConnectCarolina using the FY-LAUNCH attribute.

[1] If both STOR 305 and STOR 415 are taken, students may use one course to fulfill the core requirement and one course to fulfill the elective requirement. Students may not enroll in STOR 305 if they have already taken STOR 415.

[2] Some courses are 4-credits (see course description).

[3] Students may not receive credit for both STOR 320 and STOR 520.

[4] Students may not receive credit for both STOR 435 and STOR 535.

Department Programs

Major

- Data Science Major, B.A. (https://catalog.unc.edu/undergraduate/programs-study/data-science-major-ba/)
- Statistics and Analytics Major, B.S. (https://catalog.unc.edu/undergraduate/programs-study/statistics-analytics-majors-bs/)

Minor

- Data Science Minor (https://catalog.unc.edu/undergraduate/programs-study/data-science-minor/)
- Statistics and Analytics Minor (p. 1)

Graduate Programs

- M.S. in Statistics and Operations Research (https://catalog.unc.edu/graduate/schools-departments/statistics-operations-research/)
- Ph.D. in Statistics and Operations Research (https://catalog.unc.edu/graduate/schools-departments/statistics-operations-research/)

Contact Information

Department of Statistics and Operations Research
Visit Program Website (http://www.stor.unc.edu)
318 Hanes Hall, CB# 3260
(919) 843-6024

Chair
Jan Hannig

Director of Undergraduate Studies
Nicolas Fraiman
fraiman@email.unc.edu

Administrative Support Associate
—
stor@unc.edu