STATISTICS AND ANALYTICS MINOR

Contact Information
Department of Statistics and Operations Research
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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.

Department Programs

Major

• Statistics and Analytics Major, B.S. (http://catalog.unc.edu/undergraduate/programs-study/statistics-analytics-majors-bs/)

Minor

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

Graduate Programs

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

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 (http://catalog.unc.edu/undergraduate/general-education-curriculum-degree-requirements/#degreerequirementstext).

Code   Title                                           Hours

Core Requirements
STOR 155 Introduction to Data Models and Inference 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

STOR 215 Foundations of Decision Sciences
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 558 Machine Learning
STOR 572 Simulation for Analytics

Total Hours 15-16

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.
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.

See the program page here (http://catalog.unc.edu/undergraduate/programs-study/statistics-analytics-majors-bs/#opportunitiestext) for special opportunities.