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 (http://catalog.unc.edu/undergraduate/degree-requirements/).

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<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<td><strong>Core Requirements</strong></td>
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| STOR 155 | Introduction to Data Models and Inference
or STOR 120 | Foundations of Statistics and Data Science | 3-4   |
| STOR 305 | Introduction to Decision Analytics
or STOR 415 | Introduction to Optimization | 3     |
| Three courses from among: 2 | Foundations of Decision Sciences
or MATH 381 | Discrete Mathematics |       |
| STOR 215 | Introduction to Data Science
STOR 435 | Introduction to Probability
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
STOR 535 | Probability for Data Science
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** |

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
• 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/)

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
Vladas Pipiras

Director of Undergraduate Studies
Mariana Olvera-Cravioto
molvera@email.unc.edu

Administrative Support Associate
stor@unc.edu

\(^{F}\) 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.