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

• 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 course requirements at UNC–Chapel Hill
• earn a minimum of 12 hours of C or better in the minor (some minors require more)

For more information, please consult the degree requirements section of the catalog (http://catalog.unc.edu/undergraduate/general-education-curriculum-degree-requirements/#degreerequirementstext).

Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>STOR 155</td>
<td>Introduction to Data Models and Inference</td>
<td>3</td>
</tr>
<tr>
<td>STOR 215</td>
<td>Foundations of Decision Sciences</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 381</td>
<td>Discrete Mathematics</td>
<td></td>
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<tr>
<td></td>
<td>Three courses from among:</td>
<td>9</td>
</tr>
<tr>
<td>STOR 305</td>
<td>Decision Making Using Spreadsheet Models</td>
<td></td>
</tr>
<tr>
<td>STOR 415</td>
<td>Introduction to Optimization</td>
<td></td>
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<tr>
<td>STOR 435</td>
<td>Introduction to Probability</td>
<td></td>
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<tr>
<td>STOR 445</td>
<td>Stochastic Modeling</td>
<td></td>
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</tbody>
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STOR 455 Statistical Methods I
STOR 465 Simulation for Analytics
STOR 471 Long-Term Actuarial Models
STOR 472 Short Term Actuarial Models
STOR 555 Mathematical Statistics
STOR 556 Advanced Methods of Data Analysis
STOR 565 Machine Learning

Total Hours 15

See the program page here (http://catalog.unc.edu/undergraduate/programs-study/mathematical-decision-sciences-major-bs/#opportunitiestext) for special opportunities.