STATISTICS: ANALYTICS CONCENTRATION, MS

for the degree of Master of Science in Statistics, Analytics Concentration

Department Chair: Bo Li (https://stat.illinois.edu/directory/profile/libo/)
Associate Department Chair: Jeff Douglas (https://stat.illinois.edu/directory/profile/jeffdoug/)
MS Program Director: Darren Glosemeyer (https://stat.illinois.edu/directory/profile/glosemey/)
MS advisors: Tori Ellison, Hyoeun Lee (https://stat.illinois.edu/academics/advising/)
Graduate Contact: Joseph Zarnsy (stat-grad@illinois.edu)
Department Website: http://www.stat.illinois.edu/
College Website: https://las.illinois.edu/
Graduate College Admissions Info & Requirements (https://grad.illinois.edu/admissions/apply/)
Department Admissions Info & Requirements (https://stat.illinois.edu/admissions/prospective-graduate-students/)
Department Contact: Aaron Thompson
Department Office: Computing Applications Building, 605 E Springfield Ave, Champaign, IL 61820
Phone: (217) 333-2167
Email: stat-grad@illinois.edu

Specific program info here

Graduate Degree Programs in Statistics
Statistics, MS (http://catalog.illinois.edu/graduate/las/statistics-ms/)
concentrations:
Analytics (p. 1)/Applied (http://catalog.illinois.edu/graduate/las/statistics-ms/applied/)
Statistics, PhD (http://catalog.illinois.edu/graduate/las/statistics-phd/)
concentration:
Computational Science & Engineering (http://catalog.illinois.edu/graduate/engineering/concentration/computational-science-engineering/)
Graduate Minor in Statistics (http://catalog.illinois.edu/graduate/las/minors/statistics/)
for the degree of Master of Science in Statistics, Analytics Concentration

For additional details and requirements refer to the department's Graduate Programs (http://www.stat.illinois.edu/students/graduates.shtml/) and the Graduate College Handbook (http://www.grad.illinois.edu/gradhandbook/).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>STAT 440</td>
<td>Statistical Data Management</td>
<td>4</td>
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<tr>
<td>STAT 448</td>
<td>Advanced Data Analysis</td>
<td>4</td>
</tr>
<tr>
<td>STAT 510</td>
<td>Mathematical Statistics</td>
<td>4</td>
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<tr>
<td>STAT 542</td>
<td>Statistical Learning</td>
<td>4</td>
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<td>Select one of the following:</td>
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<td>4</td>
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<tr>
<td>STAT 425</td>
<td>Statistical Modeling I</td>
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or STAT 527 Advanced Regression Analysis
Select one of the following: 4
STAT 424 Analysis of Variance
STAT 426 Statistical Modeling II
STAT 429 Time Series Analysis
STAT 431 Applied Bayesian Analysis
STAT 433 Stochastic Processes
Select one of the following: 4
STAT 428 Statistical Computing
STAT 432 Basics of Statistical Learning
STAT 480 Data Science Foundations
CS 412 Introduction to Data Mining
Select one of the following: 4
STAT 427 Statistical Consulting
STAT 593 STAT Internship
STAT 443 Professional Statistics
STAT 410/ Statistics and Probability II (or equivalent MATH 464 proficiency [may be waived with approval])
Select one of the following: 4
STAT 525 Computational Statistics
STAT 546 Machine Learning in Data Science
STAT 571 Multivariate Analysis
CS 512 Data Mining Principles

Total hours 36-40

Other Requirements
<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
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<tbody>
<tr>
<td>Other requirements may overlap</td>
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</tr>
<tr>
<td>Minimum 500-level Hours Required</td>
<td>12</td>
</tr>
<tr>
<td>Overall:</td>
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<tr>
<td>Minimum GPA:</td>
<td>2.75</td>
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Information listed in this catalog is current as of 12/2021