# Statistics: Analytics Concentration, MS

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

## Graduate Degree Programs in Statistics

Statistics, MS (http://catalog.illinois.edu/graduate/las/statistics-ms/) concentrations:
- Analytics (p. 1) (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/)

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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/).

## Code | Title | Hours
--- | --- | ---
STAT 410/MATH 464 | Statistics and Probability II (or equivalent proficiency- may be waived with approval) | 0-4
STAT 440 | Statistical Data Management | 4
STAT 448 | Advanced Data Analysis | 4
STAT 510 | Mathematical Statistics | 4
STAT 542 | Statistical Learning | 4
Select one of the following: | | 4
STAT 425 | Statistical Modeling I | 4
or STAT 527 | Advanced Regression Analysis | 4
Select one of the following: | | 4
STAT 424 | Design of Experiments | 4
STAT 426 | Statistical Modeling II | 4
STAT 429 | Time Series Analysis | 4
STAT 431 | Applied Bayesian Analysis | 4
STAT 433 | Stochastic Processes | 4
STAT 528 | Advanced Regression Analysis II | 4
STAT 533 | Advanced Stochastic Processes | 4
STAT 556 | Advanced Time Series Analysis | 4
Select one of the following: | | 4
STAT 428 | Statistical Computing | 4
STAT 432 | Basics of Statistical Learning | 4
STAT 447 | Data Science Programming Methods | 4
STAT 480 | Big Data Analytics | 4
CS 412 | Introduction to Data Mining | 4
Select one of the following: | | 4
STAT 427 | Statistical Consulting | 4

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>
<td></td>
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<tr>
<td>Minimum 500-level Hours Required</td>
<td>12</td>
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<td>Overall:</td>
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<td>Minimum GPA:</td>
<td>2.75</td>
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Statistics Department
- 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: Alexandra Chronopoulou, Hyoeun Lee (https://stat.illinois.edu/academics/advising/)
- Graduate Contact: Asraa Ibrahim (stat-grad@illinois.edu)

Statistics Department website (http://www.stat.illinois.edu/)
Computing Applications Building, 605 E Springfield Ave, Champaign, IL 61820
(217) 333-2167
Statistics email (stat-grad@illinois.edu)

College of Liberal Arts & Sciences
College of Liberal Arts & Sciences website (https://las.illinois.edu/)

Admissions
- Statistics Department Admissions Info & Requirements (https://stat.illinois.edu/admissions/prospective-graduate-students/)
- Graduate College Admissions & Requirements (https://grad.illinois.edu/admissions/apply/)

Information listed in this catalog is current as of 12/2023