# Master of Science in Statistics, Analytics Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 440</td>
<td>Statistical Data Management</td>
<td>4</td>
</tr>
<tr>
<td>STAT 448</td>
<td>Advanced Data Analysis</td>
<td>4</td>
</tr>
<tr>
<td>STAT 510</td>
<td>Mathematical Statistics I</td>
<td>4</td>
</tr>
<tr>
<td>STAT 425</td>
<td>Applied Regression and Design</td>
<td>4</td>
</tr>
<tr>
<td>STAT 542</td>
<td>Statistical Learning</td>
<td>4</td>
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</tbody>
</table>

Select one of the following: 4

- STAT 424 Analysis of Variance
- STAT 426 Sampling and Categorical Data
- STAT 429 Time Series Analysis
- STAT 430 Topics in Applied Statistics
- STAT 578 Topics in Statistics
- STAT 428 Statistical Computing
  or CS 412 Introduction to Data Mining
- STAT 427 Statistical Consulting
  or STAT 593 STAT Internship
- STAT 410/MATH 464 Statistics and Probability II (or equivalent proficiency [may be waived with approval])

Select one of the following: 4

- STAT 525 Computational Statistics
- STAT 571 Multivariate Analysis
- CS 512 Data Mining Principles

**Total hours** 36-40

### Other Requirements

Other requirements may overlap

A concentration is not required.

**Minimum 500-level Hours Required** 12

**Overall:**

**Minimum GPA:** 2.75

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1 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).