STATISTICS: ANALYTICS CONCENTRATION, MS

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

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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/)

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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	
or STAT 527	Advanced Regression Analysis	
Select one of the following:		4
STAT 424	Design of Experiments	
STAT 426	Statistical Modeling II	
STAT 429	Time Series Analysis	
STAT 431	Applied Bayesian Analysis	
STAT 433	Stochastic Processes	
STAT 528	Advanced Regression Analysis II	
STAT 533	Advanced Stochastic Processes	
STAT 556	Advanced Time Series Analysis	
Select one of the following:		4
STAT 428	Statistical Computing	
STAT 432	Basics of Statistical Learning	
STAT 447	Data Science Programming Methods	
STAT 480	Big Data Analytics	
CS 412	Introduction to Data Mining	
Select one of the following:		4
STAT 427	Statistical Consulting	
STAT 593	STAT Internship	
STAT 443	Professional Statistics	
Select one of the following:		4
STAT 525	Topics in Computational Statistics	
STAT 546	Machine Learning in Data Science	
STAT 571	Multivariate Analysis	
CS 512	Data Mining Principles	
Total hours		**36-40**

Other Requirements

Requirement	Description
Other requirements may overlap	
Minimum 500-level Hours Required Overall:	12
Minimum GPA:	2.75

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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/)
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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/)