

APPLIED STATISTICS MINOR

Contact

Applied Statistics program director
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Faculty

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To complete this minor, students take at least 18 credits. Courses are selected in consultation with a member of the Program Committee. With permission from the Program Committee, students receive credits toward the minor for other courses that have sufficient statistics content.

Student Learning Outcomes

1. Basic probability concepts and skills in working with basic probability formulas
2. Working knowledge of one computing technique from the list: MATLAB, MINITAB, R, SAS, and SPSS and the interpretation of its computing outputs
3. Data analysis ability in one of the following subjects: regression analysis, design of experiment, survey sampling, contingency table, engineering statistics, stochastic processing and time series analysis
4. Statistical application in one of the following areas: biology, computer science, earth science, environmental science, communications, economics, engineering, forestry, geography, public affairs, political science, management, psychology, and sociology and social work

Code	Title	Credits
Basic Statistics		
Select one of the following:		3
APM 395	(*)	
CIS 321	Introduction to Probability and Statistics	
ECN 521	Economic Statistics	
MAS 261	Introductory Statistics for Management	
MAT 122	Probability and Statistics for the Liberal Arts II	
MAT 221	Elementary Probability and Statistics I	
MAT 521	Introduction to Probability	
MFE 326	Probability and Statistical Methods for Engineers	
Regression Analysis		
Select one of the following:		3
BUA 488	Predictive Learning for Business	
ECN 522	Econometric Methods	
MAT 524	Regression Analysis	
Additional Coursework		
Select 12 credits of the following:		12
APM 510	(*)	
BUA 345	Business Analytics for Management Decisions	
ECS 525	Probability for Engineers	
ECS 526	Statistics for Engineers	

GEO 386	Quantitative Geographic Analysis
MAT 122	Probability and Statistics for the Liberal Arts II
MAT 222	Elementary Probability and Statistics II
MAT 525	Mathematical Statistics
MAT 526	Introduction to Stochastic Processes
MAS 362	Decision Tools for Management
MAX 201	Quantitative Methods for the Social Sciences
PSY 252	Statistical Methods II
SOC 318	Introduction to Research

Total Credits **18**

Note

* Courses with an APM prefix are offered by the SUNY College of Environmental Science and Forestry.