

Applied Math & Statistics: Statistics Minor Curriculum Chart: 2013-2014

MATH

AMS 11A & AMS 11B Math Methods I & Math Methods II	MATH 22 OR MATH 23A Intro to Calculus of Several Variables and MATH 23B Multivariable Calculus
OR	
AMS 15A & AMS 15B Case-Study & Case-Study Calculus I & Calculus II	
OR	
MATH 11A & MATH 11B Calculus I & Calculus II	
OR	
MATH 19A & MATH 19B Calculus I & Calculus II	
OR	
MATH 20A & MATH 20B Honors Calculus I & Honors Calculus II	

AMS 10 OR MATH 21
Math Methods for Engineers I Linear Algebra

 (AMS 20 or Math 24 also recommended)

STATISTICS

AMS 5 Statistics	OR	AMS 7/L Statistical Methods and Lab
AMS 131 OR 203 OR CMPE 107 Intro Probability Theory Stochastic		
AMS 132 OR AMS 206 Classical & Bayesian Inference		
AMS 147 Computational Methods		
TWO STATISTICS ELECTIVES From List Below:		
1. _____		
2. _____		

PROGRAMMING

Choose one:

CMPS 12A/L Intro to Programming (accelerated) and Lab	CMPS 5C Intro. to Programming in C/C++
CMPE 13/L Computer Systems & C Programming and Lab	CMPS 5J Intro. to Programming in Java
BME 160/L Programming for Biologists and Biochemists and Lab	CMPS 5P Intro. to Programming in Python

ELECTIVE LIST

AMS 118	ECON 104
AMS 156	ECON 113
AMS 198	ECON 114
AMS 202	ECON 120
AMS 205B	ECON 161B
AMS 206B	ECON 190
AMS 207	EE 151
AMS 256	MATH 114
BME 205	PSYC 181
CMPE 108	SOCY 103A
CMPS 142	TIM 230

Information on the Statistics Minor

The statistics minor is available for students who wish to gain a quantitative understanding of how to (a) measure uncertainty and (b) make good decisions on the basis of incomplete or imperfect information, and to apply these skills to their interests in another field. This minor could also be combined with a major in mathematics as preparation for a graduate degree in statistics or biostatistics.

Course Information

With permission from the AMS department, students may substitute any upper-division or graduate-level AMS course for an upper-division requirement. Students planning graduate work in statistics are recommended to choose Math 23A and 23B, Applied Mathematics and Statistics 205B, and Mathematics 105A-B.

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Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

STUDENT'S NAME:

STAFF ADVISOR: