

Curriculum Guide: Mathematics Major with Statistics Emphasis

An example: Four year plan for **Mathematics Major with Statistics Emphasis**

120 credits necessary to graduate.

Plan is a representation and categories of classes can be switched. Check with your advisor.

Course	Title	Credits
Freshman		
Fall		
MATH 202	Calculus and Analytic Geometry I	4
First Year Seminar		3
General Ed		3
General Ed		3
General Ed		3
		Credits
		16
Spring		
MATH 203	Calculus and Analytic Geometry II	4
MATH 260	Introductory Statistics	4
General Ed		3
General Ed		3
Elective		3
		Credits
		17
Sophomore		
Fall		
MATH 209	Multivariate Calculus	4
MATH 320	Linear Algebra and Matrix Theory	4
General Ed		3
General Ed		3
Elective		3
		Credits
		17
Spring		
MATH 314	Proofs in Number Theory and Topology	3
General Ed		3
Elective		3
Elective		3
Elective		3
		Credits
		15
Junior		
Fall		
MATH 323	Analysis	4
General Ed		3
General Ed		3
Elective		3
Elective		3
		Credits
		16
Spring		
MATH 355	Applied Mathematical Optimization	3
General Ed		3
Elective		3
Elective		3
Elective		3
		Credits
		15

Senior		
Fall		
MATH 329	Applied Regression Analysis	4
MATH 360	Theory of Probability	3
Elective		3
Elective		3
Elective		3
		Credits
		16
Spring		
MATH 361	Mathematical Statistics	3
Math Upper Level Elective		3
Elective		3
Elective		3
Elective		3
		Credits
		15
		Total Credits
		127