

# Curriculum Guide: Mathematics Major with Mathematics Emphasis

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

120 credits necessary to graduate.

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

Course	Title	Credits
<b>Freshman</b>		
<b>Fall</b>		
MATH 202	Calculus and Analytic Geometry I	4
First Year Seminar		3
General Ed		3
General Ed		3
Elective		3
	Credits	16
<b>Spring</b>		
MATH 203	Calculus and Analytic Geometry II	4
MATH 260	Introductory Statistics	4
General Ed		3
General Ed		3
Elective		3
	Credits	17
<b>Sophomore</b>		
<b>Fall</b>		
MATH 209	Multivariate Calculus	4
General Ed		3
General Ed		3
Elective		3
	Credits	13
<b>Spring</b>		
MATH 314	Proofs in Number Theory and Topology	3
General Ed		3
Elective		3
Elective		3
Elective		3
	Credits	15
<b>Junior</b>		
<b>Fall</b>		
MATH 305	Ordinary Differential Equations	4
MATH 320	Linear Algebra and Matrix Theory	4
General Ed		3
Elective		3
Elective		3
	Credits	17
<b>Spring</b>		
MATH 328	Introduction to Algebraic Structures	3
General Ed		3
Elective		3
Elective		3
Elective		3
	Credits	15

<b>Senior</b>		
<b>Fall</b>		
MATH 323	Analysis	4
Elective		3
Elective		3
Elective		3
Elective		3
		Credits
		16
<b>Spring</b>		
MATH 385	Foundations of Geometry	3
MATH 355	Applied Mathematical Optimization	3
Math Upper Level Elective		3
Elective		3
Elective		3
		Credits
		15
		Total Credits
		124