

Bachelor of Science in Mathematics		
MAJOR REQUIREMENTS/MATHEMATICS: 43 Credits		Credits
	MA120: Introduction to Mathematical Reasoning MA125: Calculus with Analytic Geometry I MA126: Calculus with Analytic Geometry II MA211: Differential Equations MA221: Linear Algebra MA225: Calculus with Analytic Geometry III MA314: Number Theory MA319: Probability and Statistics I MA320: Probability and Statistics II MA410: Modern Algebra MA415: Real Analysis	4.0 4.0 4.0 3.0 3.0 4.0 3.0 3.0 3.0 3.0 3.0
2 courses from among:	MA317: Geometry or MA411: Abstract Algebra or MA413: Complex Analysis or MA419: Introduction to Math Modeling	3.0 3.0
	MA LVL1: Gateway Exam 1 MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3	0.0 0.0 0.0
REQUIREMENTS OUTSIDE MAJOR: 11 to 14 Credits		Credits
<p><u>AND</u> either 8 credits as follows:</p> <p><u>OR</u> 10 credits as follows:</p> <p><u>OR</u> 8 credits as follows:</p>	CS175: Introduction to Computer Science I or MA237: Programming and Technology CE111: General Chemistry I CE111L: General Chemistry I Lab CE112: General Chemistry II CE112L: General Chemistry II Lab PH211: General Physics with Calculus I PH211L: General Physics with Calculus I Lab PH212: General Physics with Calculus II PH212L: General Physics with Calculus II Lab BY109: Introduction to Biodiversity and Evolution BY110: Introduction to Cell and Molecular Biology	3.0 - 4.0 3.0 1.0 3.0 1.0 4.0 1.0 4.0 1.0 4.0 4.0
FREE ELECTIVES: 35.0-41.0 Credits		Credits
	_____ _____	35.0-41.0

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GENERAL EDUCATION REQUIREMENTS: 33 to 36 Credits		Credits
First Year Seminar	FY-101: First Year Seminar	3.0
Reading and Writing	EN101: College Composition I	3.0
	EN102: College Composition II	3.0
Mathematics	Fulfilled in Major Requirements with required MA courses	0.0
Natural Sciences	Fulfilled in Outside Major Requirements with BY, CE or PH courses	0.0
Literature	3 Credits from courses designated with Course*Type: LIT	3.0
Aesthetics and Creativity	3 Credits from Art, Music, Theatre, or Dance	3.0
Technological Literacy	3 Credits from courses designated with Course*Type: TL <i>*(May be fulfilled in Major requirements with MA237)</i>	0.0-3.0
Reasoned Oral Discourse	Fulfilled in Major Requirements with MA314	0.0
Historical Perspective	3 Credits from courses designated with Course*Type: HS.SV	3.0
Social Science	3 Credits from courses designated with Course*Type: SS.SV	3.0
Historical Perspective/Social Sciences	3 Credits from courses designated with Course*Type: HS.SV	3.0
	or 3 Credits from courses designated with Course*Type: SS.SV	
Interdisciplinary Perspectives	3 Credits from courses designated with Course*Type: ISP	3.0
Cultural Diversity/Global Understanding	3 Credits from courses designated with Course*Type: CD	6.0
	3 Credits from courses designated with Course*Type: GU	
	or 6 Credits from the SAME foreign language	
Experiential Education	One course designated with Course*Type: EX	0.0
Writing Intensive	Two courses from Mathematics (MA) designated with Course*Type: WT	0.0
		0.0

Total Credits for Bachelor of Science in Mathematics = 128

NOTES:

* 58 credits must be completed at the 200 level or higher.