

Bachelor of Science in Mathematics	
MAJOR REQUIREMENTS/MATHEMATICS: 43 Credits	Credits
<p>MA120: Introduction to Mathematical Reasoning 4.0</p> <p>MA125: Calculus with Analytic Geometry I 4.0</p> <p>MA126: Calculus with Analytic Geometry II 4.0</p> <p>MA211: Differential Equations 3.0</p> <p>MA221: Linear Algebra 3.0</p> <p>MA225: Calculus with Analytic Geometry III 4.0</p> <p>MA314: Number Theory 3.0</p> <p>MA319: Probability and Statistics I 3.0</p> <p>MA320: Probability and Statistics II 3.0</p> <p>MA410: Modern Algebra 3.0</p> <p>MA415: Real Analysis 3.0</p> <p>2 courses from among:</p> <p>MA317: Geometry</p> <p>or MA411: Abstract Algebra</p> <p>or MA413: Complex Analysis 3.0</p> <p>or MA419: Introduction to Math Modeling 3.0</p> <p>MA LVL1: Gateway Exam 1 0.0</p> <p>MA LVL2: Gateway Exam 2 0.0</p> <p>MA LVL3: Gateway Exam 3 0.0</p>	
REQUIREMENTS OUTSIDE MAJOR: 11 to 14 Credits	Credits
<p>CS175: Introduction to Computer Science I</p> <p>or MA237: Programming and Technology in Mathematics 3.0 - 4.0</p> <p>AND either</p> <p>8 credits as follows:</p> <p>CE111: General Chemistry I 3.0</p> <p>CE111L: General Chemistry I Lab 1.0</p> <p>CE112: General Chemistry II 3.0</p> <p>CE112L: General Chemistry II Lab 1.0</p> <p>OR</p> <p>10 credits as follows:</p> <p>PH211: General Physics with Calculus I 4.0</p> <p>PH211L: General Physics with Calculus I Lab 1.0</p> <p>PH212: General Physics with Calculus II 4.0</p> <p>PH212L: General Physics with Calculus II Lab 1.0</p> <p>OR</p> <p>8 credits as follows:</p> <p>BY109: Introduction to Biodiversity and Evolution 4.0</p> <p>BY110: Introduction to Cell and Molecular Biology 4.0</p>	
FREE ELECTIVES: 35 to 41 Credits	Credits
<p>_____</p> <p>_____</p>	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 or 3 Credits from courses designated with Course*Type: SS.SV	3.0
Interdisciplinary Perspectives	3 Credits from courses designated with Course*Type: ISP	3.0
Cultural Diversity and Global Understanding or Foreign Language	3 Credits from courses designated with Course*Type: CD and 3 Credits from courses designated with Course*Type: GU or 6 Credits from the SAME foreign language	6.0
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

Minimum Credits for Bachelor of Science in Mathematics = 128.0

NOTES:

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