

Bachelor of Science in Mathematics	
MAJOR REQUIREMENTS/MATHEMATICS: 43 Credits	Credits
MA-120: Introduction to Mathematical Reasoning	4.0
MA-125: Calculus with Analytic Geometry I	4.0
MA-126: Calculus with Analytic Geometry II	4.0
MA-221: Linear Algebra	3.0
MA-225: Calculus with Analytic Geometry III	4.0
MA-220: Probability and Statistics I	3.0
MA-415: Real Analysis	3.0
Take 3 Credits from the Following Courses:	3.0
MA-314: Number Theory	
MA-317: Geometry	
MA-318: Combinatorics and Graph Theory	
Take 3 Credits from the Following Courses:	3.0
MA-410: Modern Algebra	
MA-411: Group Theory	
Take 12 Credits from Mathematics (MA) from levels 300+, 400+; *AND* Completing 1 Grouping from the Following:	12.0
MA-314: Number Theory and MA-410: Modern Algebra	
MA-410: Modern Algebra and MA-411: Group Theory	
MA-413: Complex Analysis and MA-415: Real Analysis	
MA-407: Topology and MA-415: Real Analysis	
MA-311: Differential Equations and MA-419: Intro. to Math Modeling	
MA-320: Probability & Stat. II and MA-421: Design of Experiments & ANOVA	
MA-LVL1: Gateway Exam 1	0.0
MA-LVL2: Gateway Exam 2	0.0
REQUIREMENTS OUTSIDE MAJOR: 11 to 14 Credits	Credits
CS-175: Introduction to Computer Science I	3.0 - 4.0
OR MA-237: Programming and Technology in Mathematics	
AND either	
8 credits as follows:	
CE-111: General Chemistry I	3.0
CE-111L: General Chemistry I Lab	1.0
CE-112: General Chemistry II	3.0
CE-112L: General Chemistry II Lab	1.0
OR	
10 credits as follows:	
PH-211: General Physics with Calculus I	4.0
PH-211L: General Physics with Calculus I Lab	1.0
PH-212: General Physics with Calculus II	4.0
PH-212L: General Physics with Calculus II Lab	1.0
OR	
8 credits as follows:	
BY-109: Introduction to Biodiversity and Evolution	4.0
BY-110: Introduction to Cell and Molecular Biology	4.0
FREE ELECTIVES: 32 to 35 Credits	Credits
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GENERAL EDUCATION REQUIREMENTS: 33 to 39 Credits		Credits
First Year Seminar	FY-101: First Year Seminar	3.0
Reading and Writing	EN-101: College Composition I	3.0
	EN-102: 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 MA-237)</i>	0.0 - 3.0
Reasoned Oral Discourse	3 Credits from courses designated with Course*Type: RD* <i>*(May be fulfilled in Major requirements with MA-314)</i>	0.0 - 3.0
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.