

Bachelor of Science in Mathematics	
MAJOR REQUIREMENTS/MATHEMATICS: 43 Credits	Credits
<p>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</p> <p>Take 3 Credits from the Following Courses: 3.0 MA-314: Number Theory MA-317: Geometry MA-318: Combinatorics and Graph Theory</p> <p>Take 3 Credits from the Following Courses: 3.0 MA-410: Modern Algebra MA-411: Group Theory</p> <p>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</p>	
INTERDISCIPLINARY REQUIREMENTS: 11 to 14 Credits	Credits
<p>MA-237: Prog. & Tech. in Mathematics *OR* CS-175: Intro to Computer Science I and CS-175L: Intro to Computer Science I Lab</p> <p>AND either 8 credits as follows:</p> <p>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</p> <p>OR 10 credits as follows:</p> <p>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</p> <p>OR 8 credits as follows:</p> <p>BY-109: Introduction to Biodiversity and Evolution 4.0 BY-110: Introduction to Cell and Molecular Biology 4.0</p>	
FREE ELECTIVES: 32 to 35 Credits	Credits
<p>_____ 32 - 35.0 _____ _____ _____ _____</p>	

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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 Interdisciplinary Requirements w/ 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	0.0
	with Course*Type: WT	0.0

Minimum Credits for Bachelor of Science in Mathematics = 128.0

NOTES:

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