Bachelor of Science in Mathematics with a Concentration in Statistics		
MAJOR REQUIREMENTS/MATHEM	ATICS: 49 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
		3.0
	MA-3311: Differential Equations	
	MA-221: Linear Algebra	3.0
	MA-225: Calculus with Analytic Geometry III	4.0
	MA-314: Number Theory	3.0
OR	MA-317: Geometry	
OR	MA-318: Combinatorics and Graph Theory	
	MA-220: Probability and Statistics I	3.0
	MA-320: Probability and Statistics II	3.0
	MA-350: Computation and Statistics	3.0
	MA-415: Real Analysis	3.0
	MA-419: Introduction to Mathematical Modeling	3.0
	MA-421: Design of Experiments and ANOVA	3.0
	MA-440: Regression and Time Series Analysis	3.0
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	MA-460: Multivariate and Categorical Statistics	3.0
	MA-LVL1: Gateway Exam 1	0.0
	MA-LVL2: Gateway Exam 2	0.0
REQUIREMENTS OUTSIDE MAJOR: 8 to 10 Credits		Credits
Choose either		
8 credits as follows:	CE-111: General Chemistry I	3.0
	CE-111L: General Chemistry I Lab	1.0
	-	3.0
	CE-112: General Chemistry II	
	CE-112L: General Chemistry II Lab	1.0
<u>OR</u>		
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
<u>OR</u>	·	
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: 30 to 32 Credits		Credits
		30 - 32.0
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Bachelor of Science in Mathematics with a Concentration in Statistics **GENERAL EDUCATION REQUIREMENTS: 36 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 3 Credits from courses designated with Course*Type: LIT Literature 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 3.0 Reasoned Oral Discourse 3 Credits from courses designated with Course*Type: RD* 0.0 - 3.0*(May be fulfilled in Major requirements with MA-314) 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 3 Credits from courses designated with Course*Type: HS.SV 3.0 Sciences 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 and Global 3 Credits from courses designated with Course*Type: CD 6.0 Understanding and 3 Credits from courses designated with Course*Type: GU or Foreign Language or 6 Credits from the SAME foreign language **Experiential Education** Fulfilled in Major Requirements with MA-419 0.0 Two courses from Mathematics (MA) designated 0.0 Writing Intensive with Course*Type: WT 0.0

Minimum Credits for Bachelor of Science in Mathematics with a Concentration in Statistics = 128.0

NOTES:

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