Bachelor of Science in Mathematics and Education with Endorsement in Secondary Education				
MAJOR REQUIREMENTS/MATHEMATICS: 43 Credits		MAJOR REQUIREMENTS/EDUCATION: 24 Credits (a)		
MA120: Intro to Mathematical Reasoning MA125: Calculus with Analytic Geometry I	4.0 4.0	ED250: Foundations of Teaching and Learning	3.0	
MA126: Calculus with Analytic Geometry II MA211: Differential Equations MA221: Linear Algebra MA225: Calculus with Analytic Geometry III	4.0 3.0 3.0 4.0	EDL201: Educational Psychology	3.0	
MA314: Number Theory MA319: Probability and Statistics I MA320: Probability and Statistics II	3.0 3.0 3.0	EDL206: Child and Adolescent Development	3.0	
MA410: Modern Algebra MA415: Real Analysis	3.0 3.0	ED319: Literacy Across the Secondary Curriculum	3.0	
Take 2 courses from among: MA317: Geometry or MA411: Abstract Algebra or MA413: Complex Analysis	3.0	ED320: Teaching Students with Diverse Needs	3.0	
or MA419: Introduction to Math Modeling	3.0	9 Credits as Follows (b):		
MA LVL1: Gateway Exam 1 MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3	0.0 0.0 0.0	ED416: Student Teaching AND ED416S: Seminar in Student Teaching	8.0 1.0	
OUTSIDE MAJOR (MA) REQUIREMENTS: 11 to 14 Cre	edits	EDUCATION METHODS REQUIREMENTS: 6 Cr	edits <i>(a)</i>	
CS175: Introduction to Computer Science I or MA237: Programming & Technology in Mathematics	3.0 4.0	ED365: Teaching Secondary Math Part I	3.0	
Complete one of the following groups: Group A - (8 credits): CE1111: General Chemistry I CE111L: General Chemistry I Lab CE112: General Chemistry II	3.0 1.0 3.0	ED375: Secondary Teaching Methods Part I ED366: Teaching Secondary Math Part II *OR* ED376: Secondary Teaching Methods Part II	3.0	
CE112L: General Chemistry II Lab	1.0	OUTSIDE MAJOR (ED) REQUIREMENTS: 0 to 3	Credits	
OR Group B - (10 credits): PH211: General Physics w/Calculus I PH211L: General Physics w/Calculus I Lab PH212: General Physics w/Calculus II PH212L: General Physics w/Calculus II Lab	4.0 1.0 4.0 1.0	MA317: Geometry* *May be fulfilled in major requirements	0.0 - 3.0	
OR Group C - (8 credits): BY109: Intro to Biodiversity and Evolution BY110: Intro to Cell & Molecular Biology BY110: Intro to Cell & Molecular Biology	4.0 4.0 4.0	iviay be lullilled in major requirements		
FREE ELECTIVES: 2 to 8 Credits			Credits	
			2.0 - 8.0	
(a) Minimum grade of "C" required for Education Courses				

(b) Students must complete the appropriate test requirement(s) with a passing score PRIOR to Student Teaching.

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ENERAL 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 Req. with BY, CE, PH courses	0.0
Literature	3 Credits from courses designated with Course*Type: LIT	3.0
Aesthetics and Creativity	3 Credits from subject MU, AR, TH, DA	3.0
Technological Literacy	3 Credits from courses designated with Course*Type: TL*	0.0 - 3.0
	*May be fulfilled in Outside Major Requirements with MA237	
Reasoned Oral Discourse	Fulfilled in Major Requirements with ED320 or 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 and Global	3 Credits from courses designated with Course*Type: CD	6.0
Understanding or	and 3 Credits from courses designated with Course*Type: GU	
Foreign Language	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	0.0
	Course*Type: WT	0.0
	Two courses from Education (ED, EDL, EDS) designated with	0.0
	Course*Type: WT	0.0

Minimum Credits for Bachelor of Science in Mathematics and Education with Endorsement in Secondary Education = 128.0

ADDITIONAL ENDORSEMENTS AVAILABLE:

• TSD - Teacher of Students with Disabilities - Secondary • ESL - English as a Second Language - Secondary

NOTES:

- * 58 credits must be completed at the 200 level or higher.
- ** Education majors are required to have an overall GPA of 3.00 for State Certification.
- ***By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).