MA211: Differential Equations MA221: Linear Algebra MA225: Calculus with Analytic Geometry III MA314: Number Theory MA319: Probability and Statistics I MA320: Probability and Statistics II MA410: Modern Algebra MA410: Modern Algebra MA317: Geometry or MA411: Abstract Algebra or MA413: Complex Analysis MA LVL1: Gateway Exam 1 MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3 MALVL3: Introduction to Computer Science I MALVL3: Introduction to Compute	MAJOR REQUIREMENTS/MATHEMATICS: 43 Credits		MAJOR REQUIREMENTS/EDUCATION: 24 Credits (a)	
MA21: Differential Equations MA21: Linear Algebra MA22: Calculus with Analytic Geometry II MA21: Linear Algebra MA22: Calculus with Analytic Geometry III MA21: Linear Algebra MA225: Calculus with Analytic Geometry III MA314: Number Theory MA319: Probability and Statistics I MA30: Probability and Statistics II MA30: Probability and Statistics II MA410: Modern Algebra MA410: Modern Algebra MA415: Real Analysis Fake 2 courses from among: MA317: Geometry or MA413: Complex Analysis or MA413: Complex Analysis or MA413: Complex Analysis or MA413: Complex Analysis Or MA413: Casteway Exam 1 MA LVL1: Gateway Exam 1 MA LVL2: Gateway Exam 2 MA LVL2: Gateway Exam 3 CS175: Introduction to Computer Science I Or MA237: Programming & Technology in Mathematics CS175: Introduction to Computer Science I Or MA237: Programming & Technology in Mathematics CS175: Introduction to Computer Science I Or MA237: Programming & Technology in Mathematics CS176: Introduction to Computer Science I Or MA237: Programming & Technology in Mathematics CS176: Introduction to Computer Science I Or MA237: Programming & Technology in Mathematics CS176: Introduction to Computer Science I Or MA237: Programming & Technology in Mathematics CS176: Introduction to Computer Science I Or MA237: Programming & Technology in Mathematics CS176: Introduction to Computer Science I Or MA237: Programming & Technology in Mathematics CS176: Introduction to Computer Science I Or MA237: Geomeal Chemistry I Lab CE112: General Chemistry II DEDATE: Science I Or MA237: Geometry OUTSIDE MAJOR (ED) REQUIREMENTS: 3 to 6 Credits OUTSIDE MAJOR (ED) Requirements OUTSIDE MAJOR (ED) Requirements	MA120: Intro to Mathematical Reasoning	4.0		
MA211: Differential Equations MA225: Linear Algebra MA226: Calculus with Analytic Geometry III MA314: Number Theory MA319: Probability and Statistics I MA310: Modern Algebra MA410: Modern Algebra MA410: Modern Algebra MA415: Real Analysis MA410: Modern Algebra MA415: Real Analysis MA317: Geometry or MA411: Abstract Algebra or MA413: Complex Analysis or MA419: Introduction to Math Modeling MA LVL1: Gateway Exam 1 MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3 MA237: Geometry MA237: Programming & Technology in Mathematics CS175: Introduction to Computer Science I Or MA237: Programming & Technology in Mathematics Complete one of the following groups: Group A - (8 credits): CE111: General Chemistry I Lab CE112: General Chemistry I Lab CE112: General Physics w/Calculus I Lab PH211: General Physics w/Calculus I Lab PH212: General Physics w/Calculus II Lab PH213: General Physics w/Calculus II Lab PH214: Genera	MA125: Calculus with Analytic Geometry I	4.0		
MA211: Differential Equations MA225: Linear Algebra MA226: Calculus with Analytic Geometry III MA314: Number Theory MA319: Probability and Statistics I MA310: Modern Algebra MA410: Modern Algebra MA410: Modern Algebra MA415: Real Analysis MA410: Modern Algebra MA415: Real Analysis MA317: Geometry or MA411: Abstract Algebra or MA413: Complex Analysis or MA419: Introduction to Math Modeling MA LVL1: Gateway Exam 1 MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3 MA237: Geometry MA237: Programming & Technology in Mathematics CS175: Introduction to Computer Science I Or MA237: Programming & Technology in Mathematics Complete one of the following groups: Group A - (8 credits): CE111: General Chemistry I Lab CE112: General Chemistry I Lab CE112: General Physics w/Calculus I Lab PH211: General Physics w/Calculus I Lab PH212: General Physics w/Calculus II Lab PH213: General Physics w/Calculus II Lab PH214: Genera	MA126: Calculus with Analytic Geometry II	4.0	ED250: Foundations of Teaching and Learning	3.0
MA221: Linear Algebra MA225: Calculus with Analytic Geometry III MA226: Calculus with Analytic Geometry III MA2314: Number Theory MA319: Probability and Statistics I MA319: Probability and Statistics II MA320: Probability and Statistics II MA310: Modern Algebra MA415: Real Analysis Take 2 courses from among: MA317: Geometry or MA411: Abstract Algebra or MA413: Complex Analysis MA141: Abstract Algebra or MA413: Complex Analysis MA LVL1: Gateway Exam 1 MA LVL2: Gateway Exam 1 MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3 MA LVL3: Gateway Exam 3 MA LVL3: Gateway Exam 3 TSIDE MAJOR (MA) REQUIREMENTS: 11 to 14 Credits CS175: Introduction to Computer Science I or MA237: Programming & Technology in Mathematics CS175: Introduction to Computer Science I or MA237: Programming & Technology in Mathematics Complet one of the following groups: Group A - (8 credits): CE1112: General Chemistry I Lab CE1121: General Chemistry I Lab - CR121: General Chemistry I Lab - CR2 Group B - (10 credits): PH211: General Physics w/Calculus I PH211: General Physics w/Calculus II PH211: General Physics w/Calculus II PH211: General Physics w/Calculus II Lab - CR2 Group C - (8 credits): PH211: General Physics w/Calculus II Lab - CR2 Group C - (8 credits): PH210: General Physics w/Calculus II Lab - CR2 Group C - (8 credits): PH210: General Physics w/Calculus II Lab - CR3 Group C - (8 credits): PH210: General Physics w/Calculus II Lab - CR3 Group C - (8 credits): PH210: General Physics w/Calculus II Lab - CR3 Group C - (8 credits): PH210: General Physics w/Calculus II Lab - CR3 Group C - (8 credits): PH210: General Physics w/Calculus II Lab - CR4 Group C - (8 credits): PH210: General Physics w/Calculus II Lab - CR4 Group C - (8 credits): PH210: General Physics w/Calculus II Lab - CR4 Group C - (8 credits): PH210: General Physics w/Calculus II Lab - CR4 Group C - (8 credits): PH210: General Physics w/Calculus II - CR4 Group C - (8 credits): PH210: General Physics w/Calculus II - CR4 Group C - (8 credits): MA317: Geometry* MA317: Geome		3.0		
MA225: Calculus with Analytic Geometry III MA314: Number Theory MA319: Probability and Statistics I MA410: Modern Algebra MA415: Real Analysis Take 2 courses from among: MA317: Geometry or MA413: Complex Analysis or MA419: Introduction to Math Modeling MA LVL1: Gateway Exam 1 MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3 MA LVL3: Gateway Exam 4 MA LVL3: Gateway		3.0		
MA314: Number Theory MA319: Probability and Statistics I MA320: Probability and Statistics II MA410: Modern Algebra MA415: Real Analysis Salo MA415: Real Analysis Take 2 courses from among: MA317: Geometry or MA411: Abstract Algebra or MA419: Introduction to Math Modeling MA LVL1: Gateway Exam 1 MA LVL1: Gateway Exam 2 MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3 TSIDE MAJOR (MA) REQUIREMENTS: 11 to 14 Credits CS175: Introduction to Computer Science 1 Or MA237: Programming & Technology in Mathematics Complete one of the following groups: Group A - (8 credits): CE111: General Chemistry I CE112: General Chemistry II Lab CE112: General Chemistry II Lab CE112: General Physics w/Calculus I Lab PH211: General Physics w/Calculus I Lab PH211: General Physics w/Calculus II Lab PH212: General Physics w/Calculus II Lab PH213: General Physics w/Calculus II Lab PH214: General Physics w/Calculus II Lab PH215: General Physics w/Calculus II Lab PH216: CE126: Child and Adoles			EDL201: Educational Psychology	3.0
MA319: Probability and Statistics I MA320: Probability and Statistics II MA310: Modern Algebra MA410: Modern Algebra MA415: Real Analysis Ifake 2 courses from among: MA317: Geometry or MA411: Abstract Algebra or MA419: Introduction to Math Modeling MA LVL1: Gateway Exam 1 MA LVL2: Gateway Exam 2 MA LVL2: Gateway Exam 3 MA LVL3: Gateway Exam 4 MA LVL3: Gateway Exam 9 MA LVL3: Gateway Exam 1 MA LVL3: Gateway Exa		3.0		
MA410: Modern Algebra MA415: Real Analysis Fake 2 courses from among: MA317: Geometry or MA411: Abstract Algebra or MA413: Complex Analysis MA LVL1: Gareway Exam 1 MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3 Or MA237: Programming & Technology in Mathematics CS175: Introduction to Computer Science I MA237: Programming & Technology in Mathematics CCMplete one of the following groups: Group A - (8 credits): CE111: General Chemistry I CE111: General Chemistry II CE112: General Chemistry II CE112: General Chemistry II CE112: General Physics w/Calculus II PH211: General Physics w/Calculus II PH212: General Physics w/Calculus II PH212: General Physics w/Calculus II PH213: General Physics w/Calculus II PH214: General Physics w/Calculus II PH215: General Physics w/Calculus II PH216: Student Teaching Students with Diverse Needs Sudding Curriculum ED320: Teaching Students with Diverse Needs ED320: Teaching Students with Diverse Needs ED320: Teaching Studen	-	3.0		
MA410: Modern Algebra MA415: Real Analysis Fake 2 courses from among: MA317: Geometry or MA411: Abstract Algebra or MA413: Complex Analysis MA LVL1: Gareway Exam 1 MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3 Or MA217: Introduction to Math Modeling MA LVL3: Gateway Exam 2 MA LVL3: Gateway Exam 3 Or MA237: Programming & Technology in Mathematics CS175: Introduction to Computer Science I Or MA237: Programming & Technology in Mathematics CE111: General Chemistry I CE111: General Chemistry I CE112: General Chemistry II CE112: General Chemistry II CE112: General Chemistry II CE112: General Chemistry II CE112: General Physics w/Calculus II PH211: General Physics w/Calculus II PH212: General Physics w/Calculus II PH213: General Physics w/Calculus II PH214: General Physics w/	MA320: Probability and Statistics II	3.0	EDL206: Child and Adolescent Development	3.0
Take 2 courses from among: M317: Geometry or M411: Abstract Algebra or M4419: Introduction to Math Modeling MA LVL1: Gateway Exam 1 MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3 MA LVL3: Gateway Exam 3 MA LVL3: Gateway Exam 3 TSIDE MAJOR (MA) REQUIREMENTS: 11 to 14 Credits CS175: Introduction to Computer Science I or MA237: Programming & Technology in Mathematics CS175: Introduction to Computer Science I or M237: Programming & Technology in Mathematics CS111: General Chemistry I Lab CE1111: General Chemistry I Lab CE112: General Chemistry II CE112: General Chemistry II CE112: General Chemistry II CE112: General Physics w/Calculus I PH211: General Physics w/Calculus II Aph212: General Physics w/Calculus II Lab PH211: General Physics w/Calculus II Lab PH211: General Physics w/Calculus II Lab PH212: General	-		· ·	
Fake 2 courses from among: MA317: Geometry or MA411: Abstract Algebra or MA413: Complex Analysis or MA419: Introduction to Math Modeling MA LVL1: Gateway Exam 1 MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3 MA LVL3: Gateway Exam 1 MA LVL4: Gateway Exam 1 MA LVL4: Gateway Exam 1 MA LVL3: Gateway Exam 1 MA LVL4: Ga		3.0		
Take 2 courses from among: M3317: Geometry or MA4113: Complex Analysis or MA419: Introduction to Math Modeling MA LVL1: Gateway Exam 1 MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3 TSIDE MAJOR (MA) REQUIREMENTS: 11 to 14 Credits CS175: Introduction to Computer Science I or MA237: Programming & Technology in Mathematics CS175: Introduction to Computer Science I or MA237: Programming & Technology in Mathematics CS111: General Chemistry I CE111: General Chemistry I Lab CE1112: General Chemistry II Lab CE112L: General Chemistry II Lab CE112L: General Chemistry II Lab PH211: General Physics w/Calculus I Lab PH212: General Physics w/Calculus I Lab PH213: Genera			ED319: Literacy Across the Secondary	3.0
MA317: Geometry or MA413: Complex Analysis or MA419: Introduction to Math Modeling MA LVL1: Gateway Exam 1 MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3 Or MA409: Introduction to Math Modeling MA LVL3: Gateway Exam 2 MA LVL3: Gateway Exam 3 Or MA409: Introduction to Computer Science I Or MA237: Programming & Technology in Mathematics CS175: Introduction to Computer Science I Or MA237: Programming & Technology in Mathematics CCMPlete one of the following groups: Group A - (8 credits): CE111: General Chemistry I CE111: General Chemistry II Lab CE112: General Chemistry II Lab CE112: General Chemistry II Lab PH211: General Physics w/Calculus I PH211: General Physics w/Calculus I Lab PH211: General Physics w/Calculus I Lab PH212: General Physics w/Calculus II Ab PH212: General Physics w/Calculus II Lab	Take 2 courses from among:			
or MA411: Abstract Algebra or MA413: Complex Analysis or MA419: Introduction to Math Modeling MA LVL1: Gateway Exam 1	-			
or MA413: Complex Analysis or MA419: Introduction to Math Modeling MA LVL1: Gateway Exam 1				
or MA419: Introduction to Math Modeling MA LVL1: Gateway Exam 1 MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3 O.0 ED416: Student Teaching AND ED416S: Seminar in Student Teaching ED416S: S		3.0	ED320: Teaching Students with Diverse Needs	3.
MA LVL1: Gateway Exam 1 MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3 MA LVL3: Gateway Exam 2 MA LVL3: Gateway Exam 3 MA LVL3: Gateway Exam 2 MA LVL3: Gateway Exam 2 MA LVL3: Gateway Exam 3 MA LVL3: Gateway Exam 2 MA LVL3: Gateway Exam 2 MA LVL3: Gateway Exam 2 MA LVL3: Gateway Exam 3 MA LVL3: Gateway Exam 3 MA LVL3: Gateway Exam 2 MA LVL3: Gateway Exam 3 MA LVL3: Gateway Exam 3 MA LVL3: Gateway Exam 2 MA LVL3: Gateway Exam 3 MA LVL1: Gateway Exam 3 MA LVL			Ĭ	
MA LVL1: Gateway Exam 1 MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3 TSIDE MAJOR (MA) REQUIREMENTS: 11 to 14 Credits CS175: Introduction to Computer Science I Or MA237: Programming & Technology in Mathematics Complete one of the following groups: Group A - (8 credits): CE111: General Chemistry I CE111: General Chemistry I Lab CE112: General Chemistry II CE112: General Chemistry II CE112: General Chemistry II Lab PH211: General Physics w/Calculus I PH211: General Physics w/Calculus I PH212: General Physics w/Calculus II PH212: General Physics w/Calculus II PH212: General Physics w/Calculus II Lab ORR Group C - (8 credits): BY109: Intro to Biodiversity and Evolution Outside traching AND ED416: Student Teaching And	ŭ		9 Credits as Follows (b):	
MA LVL2: Gateway Exam 2 MA LVL3: Gateway Exam 3 MA LVL3: Gateway Exam 3 Decirio MAJOR (MA) REQUIREMENTS: 11 to 14 Credits CS175: Introduction to Computer Science I Or MA237: Programming & Technology in Mathematics Complete one of the following groups: Group A - (8 credits): CE111: General Chemistry I CE111L: General Chemistry II CE112: General Chemistry II CE112: General Chemistry II CE112: General Chemistry II CPH211: General Chemistry II Lab PH211: General Physics w/Calculus I PH211: General Physics w/Calculus I PH211: General Physics w/Calculus II PH212: General Physics w/Calculus II PH213: General Physics w/Calculus II PH214: General Physics w/Calculus II PH215: General Physics w/Calculus II PH216: Student Teaching AND ED416S: Seminar in Student Teaching ED416S: Seminar in Student Teaching ED365: Teaching Secondary Math Part I Semantic Seminar in Student Teaching ED365: Teaching Secondary Math Part II Semantic Seminar in Student Teaching Death Seminar in Student Teaching ED416S: Seminar in Student Teaching ED365: Teaching Secondary Math Part II Semantic Seminar in Student Teaching ED365: Teaching Secondary Math Part II Semantic Seminar in Student Teaching ED365: Teaching Secondary Math Part II Semantic Seminar in Student Teaching Secondary Math Part II Semantic Seminar in Student Teaching Seminar in Student Teaching Seminar in Student	MA LVL1: Gateway Exam 1	0.0		
TSIDE MAJOR (MA) REQUIREMENTS: 11 to 14 Credits CS175: Introduction to Computer Science I or MA237: Programming & Technology in Mathematics Complete one of the following groups: Group A - (8 credits): CE111: General Chemistry I cE112: General Chemistry II Lab CE112: General Chemistry II Lab CE112: General Chemistry II Lab PH211: General Physics w/Calculus I Lab PH211: General Physics w/Calculus I Lab PH211: General Physics w/Calculus II Lab PH212: General Physics w/Calculus II Lab PH213: General Physics w/Calculus II Lab PH214: General Physics w/Calculus II Lab PH215: General Physics w/Calculus II Lab PH216: Seminar in Student Teaching EDUCATION METHODS REQUIREMENTS: 6 Credits (a) ED365: Teaching Secondary Math Part II Seminarion Secondary Math Part II OUTSIDE MAJOR (ED) REQUIREMENTS: 3 to 6 Credits OUTSIDE MAJOR (ED) REQUIREMENTS: 3 to 6 Credits OUTSIDE MAJOR (ED) REQUIREMENTS: 3 to 6 Credits MA317: Geometry* MA317: Geometry* MA317: Geometry* MA317: Geometry* MA317: Geometry*		0.0	ED416: Student Teaching AND	8.
TSIDE MAJOR (MA) REQUIREMENTS: 11 to 14 Credits CS175: Introduction to Computer Science I Or MA237: Programming & Technology in Mathematics Complete one of the following groups: Group A - (8 credits): CE111: General Chemistry I CE111L: General Chemistry I		0.0	-	1.0
CS175: Introduction to Computer Science I or MA237: Programming & Technology in Mathematics Complete one of the following groups: Group A - (8 credits): CE111: General Chemistry I CE1112: General Chemistry II CE112: General Chemistry II CE112: General Chemistry II CE112: General Chemistry II CE112: General Physics w/Calculus I PH211: General Physics w/Calculus I PH211: General Physics w/Calculus II PH212: General Physics w/Calculus II PH210: General Physics w/Calculus II PH211: General Physics w/Calculus II PH212: General Physics w/Calculus II PH211: General Physics w/Calculus II PH211: General Physics w/Calculus II PH212: General Physics w/Calculus II PH213: General Physics w/Calculus II PH214: General Physics w/Calculus II PH215: General Physics w/Calculus II PH216: General Physics w/Calculus II PH217: General Physics w/Calculus II PH218: General Physics w/Calculus II PH219: General Physics w/Calculus II PH219: General Physics w/Calculus II PH210: General	·			
Authematics	TSIDE MAJOR (MA) REQUIREMENTS: 11 to 14 Cr	redits	EDUCATION METHODS REQUIREMENTS: 6 Cr	edits (a)
Mathematics	CS175: Introduction to Computer Science I	3.0		
Complete one of the following groups: Group A - (8 credits): CE111: General Chemistry I CE111L: General Chemistry I Lab CE112: General Chemistry II CE112: General Chemistry II Lab *OR* Group B - (10 credits): PH211: General Physics w/Calculus I PH211L: General Physics w/Calculus II PH212: General Physics w/Calculus II PH212: General Physics w/Calculus II PH212L: General Physics w/Calculus II PH212L: General Physics w/Calculus II Lab *OR* Group C - (8 credits): BY109: Intro to Biodiversity and Evolution *May be fulfilled in major requirements	or MA237: Programming & Technology in	4.0	ED365: Teaching Secondary Math Part I	3.0
Complete one of the following groups: Group A - (8 credits): CE111: General Chemistry I CE111L: General Chemistry I Lab CE112: General Chemistry II CE112L: General Chemistry II Lab *OR* Group B - (10 credits): PH211: General Physics w/Calculus I PH211L: General Physics w/Calculus I Lab PH212: General Physics w/Calculus II Lab PH212: General Physics w/Calculus II Lab *OR* Group C - (8 credits): BY109: Intro to Biodiversity and Evolution ED366: Teaching Secondary Math Part II 3.0 *OR* DUTSIDE MAJOR (ED) REQUIREMENTS: 3 to 6 Credits *OUTSIDE MAJOR (ED) REQUIREMENTS: 3 to 6 Credits *OUTSIDE MAJOR (ED) REQUIREMENTS: 3 to 6 Credits *A.0 PY103: Introduction to Psychology 3.0 A.0 MA317: Geometry* *May be fulfilled in major requirements	Mathematics		<u>*OR*</u>	
Group A - (8 credits): CE111: General Chemistry I CE111: General Chemistry I Lab CE112: General Chemistry II CE112: General Chemistry II Lab *OR* Group B - (10 credits): PH211: General Physics w/Calculus I PH211L: General Physics w/Calculus I Lab PH212: General Physics w/Calculus II PH212: General Physics w/Calculus II PH212L: General Physics w/Calculus II PH212L: General Physics w/Calculus II PH213L: General Physics w/Calculus II PH214L: General Physics w/Calculus II PH215 General Physics w/Calculus II PH216 General Physics w/Calculus II PH217 General Physics w/Calculus II PH218 General Physics w/Calculus II PH219L: General Physics w/Calculus II PH210L: General Physics w/Calculus II A.0 PH210L: General Physics w/Calc			ED375: Secondary Teaching Methods Part I	
CE111: General Chemistry I CE112: General Chemistry II CE112: General Chemistry II CE112: General Chemistry II CE112: General Chemistry II Lab *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 PH212L: General Physics w/Calculus II Lab *OR* Group C - (8 credits): *MA317: Geometry* *May be fulfilled in major requirements **OR* *OR* *OR* *OR* *OR* *OUTSIDE MAJOR (ED) REQUIREMENTS: 3 to 6 Credits **OR* **OR* **OR* **OR* **OR* **OR* **OUTSIDE MAJOR (ED) REQUIREMENTS: 3 to 6 Credits **OR* **OR* **OR* **OR* **OR* **Introduction to Psychology **Alo **OR* **OR* **OR* **Ma317: Geometry* **May be fulfilled in major requirements				
CE111L: General Chemistry I Lab CE112: General Chemistry II CE112L: General Chemistry II Lab *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 PH212L: General Physics w/Calculus II Lab *OR* Group C - (8 credits): BY109: Intro to Biodiversity and Evolution *OR* Secondary Teaching Methods Part II **OUTSIDE MAJOR (ED) REQUIREMENTS: 3 to 6 Credits			ED366: Teaching Secondary Math Part II	3.0
CE112L: General Chemistry II	-		*OR*	
CE112L: General Chemistry II Lab *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 *OR* Group C - (8 credits): BY109: Intro to Biodiversity and Evolution 1.0 OUTSIDE MAJOR (ED) REQUIREMENTS: 3 to 6 Credits 4.0 PY103: Introduction to Psychology 3.0 ANA317: Geometry* *May be fulfilled in major requirements	CE111L: General Chemistry I Lab		ED376: Secondary Teaching Methods Part II	
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 PH212L: General Physics w/Calculus II Lab *OR* Group C - (8 credits): BY109: Intro to Biodiversity and Evolution *May be fulfilled in major requirements	CE112: General Chemistry II	3.0		
OR Group B - (10 credits): PH211: General Physics w/Calculus I	CE112L: General Chemistry II Lab	1.0	OUTSIDE MAJOR (ED) REQUIREMENTS: 3 to 6	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 PH212L: General Physics w/Calculus II Lab *OR* Group C - (8 credits): BY109: Intro to Biodiversity and Evolution 4.0 PY103: Introduction to Psychology 3.0 ANA317: Geometry* *MA317: Geometry* *May be fulfilled in major requirements				
PH211L: General Physics w/Calculus I Lab PH212: General Physics w/Calculus II PH212L: General Physics w/Calculus II Lab PH212L: General Physics w/Calculus II Lab *OR* Group C - (8 credits): BY109: Intro to Biodiversity and Evolution *May be fulfilled in major requirements PY103: Introduction to Psychology 4.0 MA317: Geometry* *May be fulfilled in major requirements		4.0		
PH212: General Physics w/Calculus II PH212L: General Physics w/Calculus II Lab *OR* Group C - (8 credits): BY109: Intro to Biodiversity and Evolution 4.0 MA317: Geometry* *May be fulfilled in major requirements			PY103: Introduction to Psychology	3.
PH212L: General Physics w/Calculus II Lab *OR* Group C - (8 credits): BY109: Intro to Biodiversity and Evolution 1.0 MA317: Geometry* *May be fulfilled in major requirements 0.0 - 3.				
OR Group C - (8 credits): BY109: Intro to Biodiversity and Evolution MA317: Geometry* *May be fulfilled in major requirements 0.0 - 3.				
BY109: Intro to Biodiversity and Evolution 4.0 *May be fulfilled in major requirements			MA317: Geometry*	0.0 - 3.
		4.0	•	
			3,5 - 2,45 - 5 - 5	

(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.

Bachelor of Science in Mathematics and Education with Endorsement in Secondary Education

ENERAL EDUCATION REQUIREMENTS: 3	33 Credits	Credit
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* *May be fulfilled in Outside Major Requirements with MA237	3.0
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	Fulfilled in Outside Major Requirements with PY103	0.0
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	3 Credits from courses designated with Course*Type: CD	6.0
Understanding or Foreign Language	 and 3 Credits from courses designated with Course*Type: GU 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 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 2.75 for State Certification.
- ***By state regulation, all Education Majors seeking content area endorsement must complete 12+ credits at the 300+ level in the content major.