Foundational Mathematics (if taking PHY214 & PHY224)

2013-2014

PHY214 PHy214 4 Fall only Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni and PHY224 Physics for Scientists II w/Lab PHY214 4 Spring only Total Required GE units: 48 Total Major Units: 59 Upper Division Major Units: 59 Upper Division Major Units: 31 Additional Elective Units Needed: 17 Upper Division Elective Units Needed: 0 0 About This Plan Contact Information • This plan is not a contract. Curriculum can be subject to change. • Highlighted courses and fields are major specific. James 244	Major Re			General Education Requirements			
MAT22 Mathematics Concepts & Applications I MAT112 3 Fail only MAT22 Mathematics Concepts & Applications I MAT125 3 Spring only MAT23 Mathematics Concepts & Applications I MAT125 3 Spring only MAT25 Mathematics Concepts & Applications I MAT125 3 Spring only MAT25 Mathematics Concepts & Applications of Calculus I MAT245 4 Spring only MAT25 Mathematics Concepts & Applications of Calculus I MAT245 4 Spring only MAT25 Mathematics Concepts & Applications of Calculus I MAT245 4 Spring only MAT25 Mathematics Concepts & Applications of Calculus I MAT245 4 Spring only MAT25 Mathematics Concepts & Applications I MAT245 4 Spring only MAT25 Mathematics Concepts & Applications I MAT245 4 Spring only MAT25 Mathematical Poords & Surverse MAT245 3 Fail only Spring only MAT36 History of Numbers Pre-Req Units Spring only 3 Spring only MAT361 History of Numbers Pre-Req Units Spring only 3 Spring only MAT361 History of	Lower Division Requirements	Pre-Req	Units	Note	Competency Requirements	Units	Note
MAT123 Mathematics Concepts & Applications I MAT112 3 Fail only MAT123 Mathematics Concepts & Applications I MAT125 3 Spring only MAT124 MAT125 3 Spring only Spring only Spring only MAT25 MAT26 MAT125 2 Spring only Spring only Spring only MAT25 MAT26 MAT245 2 Spring only Sprin		-	1	Spring only		3	ENG113 required
MAT127 MAT125 3 Spring only MAT135 FCC005 MAT135 FCC005 Sming only MAT245 Andr245 Andr245 Andr245 Andr245 MAT25 MAT245 Andr245 Andr245 Andr245 MAT25 MAT241 MAT245 Andr245 Andr245 Pyper Division Requirements Pre-Req Units Note EDU300 Corndu ac of Channes required English or Film 3 EDU300 Corndu ac of Channes required English or Film 3 EDU310 Corndu ac of Channes required English or Film 3 EDU310 Corndu ac of Channes required Biglish or Film 3 EDU310 Corndu ac of Channes required Biglish or Film 3 EDU310 Corndu ac of Channes required 3 Encites of Channes required EDU310 Corndu ac of Channes required 3 Encites of Channes required EDU320 Corndu ac of Channes required 3 Encites of Channes required 3 MAT313 Mat245 Sering only 3 Encites of Channes required <td< td=""><td>MAT125 Mathematics Concepts & Applications I</td><td>MAT115</td><td>3</td><td>Fall only</td><td>Math Competency</td><td>3</td><td></td></td<>	MAT125 Mathematics Concepts & Applications I	MAT115	3	Fall only	Math Competency	3	
MAT135 3	MAT127 Mathematics Concepts & Applications II	MAT125	3	Spring only		3	ETC305* will fulfill
MAT20 Modeling & Applications of Calculus MAT245 2 Spring only MAT255 Analytical Geometry & Calculus II MAT245 4 Upper Division Requirements Pre-Req Units Note EDU300 American Public Schools - 3 Centicate of Charanse required EDU302 Growth, Development & Learning - 3 Centicate of Charanse required EDU302 Growth, Development & Learning - 3 Centicate of Charanse required MAT353 Inhohality & Statistics MAT245 3 Fall only To make the pression of the pressi		MAT115	3		Foreign Language I	3	
MAT255 Analytical Geometry & Calculus II MAT245 4 Prog. Org. Upper Division Requirements Pre-Req Units Note EDU300 American Public Schools - 3 Centificato or Cluanare required EDU300 American Public Schools - 3 Centificato or Cluanare required EDU301 Crow Larring - 3 Centificato or Cluanare required ETC305 Educational Computing - 3 Centificato or Cluanare required ETC305 Educational Computing - 3 Centificato or Cluanare required MAT313 Matranare Requirements MAT245 3 Image: Cluanare Requirements 3 MAT335 History 3 Image: Cluanare Requirements 3 Image: Cluanare Requirements 3 MAT345 History 3 Image: Cluanare Requirements 3 Image: Cluanare Requirements 3 MAT345 History 3 Image: Cluanare Requirements 3 Image: Cluanare Requirements 3 MAT4305 History 3 Spring only Image: Cluanare Requirements 3	MAT245 Analyitcal Geometry & Calculus I	MAT135 or 145	4		Foreign Language II	3	
Contract on prior Description Contract on the process of the proceses of the process of the process of the proce	MAT250 Modeling & Applications of Calculus	MAT245	2	Spring only	If you are exempt from a Competence	y Requiremen	t, add those units to Additional Elective Units Nee
Upper Division Requirements Pre-Req Units Note EDU300 American Public Schools - 3 Confacte of Clamace required EDU300 Crowth, Development & Learning - 3 Confacte of Clamace required EDU301 Crowth, Development & Learning - 3 Confacte of Clamace required EDU31 The Exceptional Computing - 3 Confacte of Clamace required EDU31 The Exceptional Computing - 3 Confacte of Clamace required MAT313 Mathematical Proofs & Structures MAT245 3 Pail only MAT351 History of Math & Theory of Numbers Pee or Ce MAT313 3 Spring only US History 3 MAT405 Fundamental Concepts of Geometry MAT313 3 Spring only US History 3 MAT499 Capstone - - 4 Chair consent needed Cinsian Studies 9 MAT343 Mithematical Fundamental Concepts of Scientists I w/Lab MAT25 4 MAT33 Spring only MAT34 MAT343 Mithemathel Claculus MAT245 & Exam 4 Fall only Science or Kinesiology 4 PHY214 will fulfill MAT343 Mithemathal Sciences 9 <td< td=""><td>MAT255 Analytical Geometry & Calculus II</td><td>MAT245</td><td>4</td><td></td><td></td><td></td><td></td></td<>	MAT255 Analytical Geometry & Calculus II	MAT245	4				
2DU300 American Public Schools - 3 Certificat of Clearance required 2DU302 Growth, Development & Learning - 3 Certificat of Clearance required 2DU302 Growth, Development & Learning - 3 Certificat of Clearance required 2DU302 Growth, Development & Learning - 3 Certificat of Clearance required 2DU302 Growth, Development & Learning - 3 Certificat of Clearance required AT7151 Mathematical Proofs & Structures MAT245 3 Fall only MAT333 Brobability & Statistics MAT245 3 Fall only MAT363 Fundamental Concepts of Geometry MAT313 Spring only 3 Mon-US History MAT463 Fundamental Concepts of Geometry MAT313 Spring only 4 PHY214 will fulfill MAT343 Image Structures Pre-Req Units Note Communication of x Comments Pre-Req Units Note Comments 9 Elective Requirements Pre-Req Units Note Contact informatication MAT343 Hautivariable Calculus MAT313 Spring only Matain contract informaticatin structatin structure 9 <td></td> <td></td> <td></td> <td></td> <td>Core Curriculum</td> <td>Units</td> <td>Note</td>					Core Curriculum	Units	Note
EDU302 Growth, Development & Learning - 3 Contract of Charance required EDU341 The Exceptional Child - 3 Centrate of Charance required EDU341 The Exceptional Child - 3 Centrate of Charance required AT313 Tobahematical Proofs & Structures MAT245 3 - MAT333 Tobahematical Proofs & Structures MAT245 3 - MAT363 The Exceptional Computing - 3 - MAT363 Tobahamental Concepts of Geometry MAT313 3 Spring only MAT465 Rundmental Concepts of Geometry - 4 Chair consent needed - - - - - - - 4 Chair consent needed - - - - - - - - - - - - - MAT463 Rundarination Statics - - - - <td< td=""><td>Upper Division Requirements</td><td>Pre-Req</td><td>Units</td><td>Note</td><td>Behavioral Science</td><td>6</td><td></td></td<>	Upper Division Requirements	Pre-Req	Units	Note	Behavioral Science	6	
2DU341 The Exceptional Computing - 3 Continue of Charace required 2TC305 Educational Computing - 3 Art or Music Art or Music	EDU300 American Public Schools	-	3	Certificate of Clearance required	English Composition	3	ENG123 required
ETC305 Educational Computing 3 Art or Music 3 MAT313 Mathematical Proofs & Structures MAT245 3 Fall only MAT333 Matrixis MAT245 3 Fall only MAT333 Total Major Units: 9 9 Elective Requirements Pre-Req Units Not Computing MAT245 4 Pall only MAT439 Consets from the following: MAT245 3 MAT343 Matrabarened Calculus MAT245 4 MAT343 Total Major Units: 59 9 Wight Phy224 Physics for Scientists I w/Lab MAT245 & Exam 4 Fall only MAT244 Matrabarenet 9 ENC123 & MAT363 9 Wight Phy224 Physics for Scientists I w/Lab MAT245 & 4 9 12 Matrabarenet MAT313 3 Spring only 12 12 Matrabarenet MAT245 & Exam 4 Fall only 12 12 Matrabarenet MAT245 & Exam 4 Fall only 12 12 12	EDU302 Growth, Development & Learning	-	3	Certificate of Clearance required	English or Film	3	
MAT313 Mathematical Proofs & Structures MAT245 3 Fall only MAT333 Probability & Statistics MAT245 3 Fall only MAT333 Probability & Statistics MAT245 3 Fall only MAT333 Probability & Statistics MAT313 3 Fall only MAT403 Linear Algebra MAT313 3 Spring only MAT499 Capstone - 4 Chair consent needed MAT4343 Mutivariable Calculus MAT255 4 PHY214 Will fulfill Complete as et of two courses from the following: MAT235 Spring only 4 PHY214 will fulfill MAT4343 Mutivariable Calculus MAT255 4 MAT245 9 *Course is interdisciplinary Complete as et of two courses from the following: MAT245 & Exam 4 Fall only MIditicultural Requirements 9 ENG123 & MAT363 will fulfill 6 uni MAT4343 Mutivariable Calculus MAT245 & Exam 4 Spring only Total Major Units: 59 PHY214 Physics for Scientists II w/Lab MAT245 & Exam 4 Fall only Total Major Units: 12 Mutivariable Calculus MAT363 Spring only Tot		-	3	Certificate of Clearance required	Communication Arts	3	
MAT353 Probability & Statistics MAT245 3 Fall only MAT353 History of Math & Theory of Numbers Pre or Co: MAT313 3 Fall only MAT363 History of Math & Theory of Numbers Pre or Co: MAT313 3 Spring only MAT404 Linear Algebra MAT313 3 Spring only MAT405 Fundamental Concepts of Geometry MAT313 3 Spring only MAT404 Linear Algebra - 4 Chair consent needed MAT343 Multivariable Calculus MAT255 4 PHY214 will fulfill Complete a set of two courses from the following: MAT231 3 Spring only MAT343 Multivariable Calculus MAT255 4 Interdisciplinary MAT343 Multivariable Calculus MAT245 & Exam 4 Fall only PHY214 Physics for Scientists I w/Lab MAT245 & Exam 4 Fall only Matterdisciplinary Total Major Units: 59 ETC305 & MAT363 will fulfill 6 uni Upper Division Major Units: 59 EtCale Mathematical Science 12 Upper Division Major Units: 59 EtCale Mathematical Science 12 Upper Division Required GE units: 12<	ETC305 Educational Computing	-	3		Art or Music	3	
MAT363 History of Math & Theory of Numbers Pre or Co: MAT313 3 Fall only MAT403 Linear Algebra MAT313 3 Spring only MAT403 Fall only MAT313 3 Spring only MAT409 Chair consent needed - 4 Chair consent needed Elective Requirements Pre-Req Units Note Science 3 Complete a set of two courses from the following: MAT255 4 Chair consent needed 9 Eventual Mat133 3 Spring only MAT433 Multivariable Calculus MAT255 4 Generation Requirements 9 Eventual Mat143 Sudical Mat133 3 Spring only MP1214 Physics for Scientists II wLab MAT254 Exam Fall only Mat131 Spring only Multicultural Requirements 9 EVG123 & MAT363 will fulfill 6 uni Mart43 Matyorable Calculus MAT245 Exam Fall only Multicultural Requirements 9 EVG123 & MAT363 will fulfill 6 uni and PHY224 Physics for Scientists II wLab MAT454 Spring only Total Requirend GE Units: 12 <td>MAT313 Mathematical Proofs & Structures</td> <td>MAT245</td> <td>3</td> <td></td> <td>Philosophy</td> <td>3</td> <td></td>	MAT313 Mathematical Proofs & Structures	MAT245	3		Philosophy	3	
MAT403 Linear Algebra MAT313 3 Spring only MAT403 Fundamental Concepts of Geometry MAT313 3 Spring only MAT490 Capstone - 4 Chair consent needed Elective Requirements Pre-Req Units Note Complete a set of two courses from the following: MAT313 3 Spring only MAT4343 Multivariable Claculus MAT245 & Exam 4 Fall only MAT2443 Advanced Calculus MAT245 & Exam 4 Fall only MAT245 Physics for Scientists I w/Lab MAT245 & Exam 4 Fall only PHY214 Physics for Scientists I w/Lab MAT245 & Exam 4 Fall only Matree PHY224 Physics for Scientists I w/Lab MAT245 & Exam 4 Fall only Total Major Units: 59 59 Upper Division Required GE units: 48 Upper Division Major Units: 31 Additional Elective Units Needed: 17 Upper Division Required GE Units: 12 Upper Division Elective Units Needed: 0 0 0 0 Additional Elective Units Needed: 0 0 0 0 Discon courses	MAT353 Probability & Statistics	MAT245	3	Fall only	US History	3	
MAT463 Fundamental Concepts of Geometry MAT313 3 Spring only MAT499 Castone - 4 Chair consent needed Elective Requirements Pre-Req Units Note Complete a set of two courses from the following: MAT313 3 Spring only MAT343 Matrixariable Calculus MAT255 4 Ourse is interdisciplinary Course is interdisciplinary MAT2452 & Exam 4 Fall only MAT443 Maraneed Calculus MAT2453 & Exam 4 Fall only MHY224 Physics for Scientists I W/Lab MAT245 & Exam 4 Fall only MICiulturual Requirements 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni MUticultural Requirements 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni Upper Division Major Units: 31 Spring only <td></td> <td>Pre or Co: MAT313</td> <td>3</td> <td>Fall only</td> <td>Non-US History</td> <td>3</td> <td></td>		Pre or Co: MAT313	3	Fall only	Non-US History	3	
MAT499 Capstone - 4 Chair consent needed Complete a set of two courses from the following: MAT343 Multivariable Calculus MAT255 4 9 MAT343 Multivariable Calculus MAT255 4 9 MAT449 Physics for Scientists I w/Lab MAT245 & Exam 4 Fall only Mad MAT443 Advanced Calculus MAT245 & Exam 4 Fall only Mad PHY224 Physics for Scientists I w/Lab MAT245 & Exam 4 Fall only Mad PHY224 Physics for Scientists I w/Lab MAT245 & Exam 4 Fall only Mad PHY224 Physics for Scientists I w/Lab MAT245 & Exam 4 Fall only Mad PHY224 Physics for Scientists I w/Lab PHY214 4 Spring only Upper Division Major Units: 59 Total Major Units: 12 Upper Division Required GE Units: 12 12 Upper Division Major Units: 31 Additional Elective Units Needed: 17 Upper Division Elective Units Needed: 0 About This Plan Contact Information <t< td=""><td>MAT403 Linear Algebra</td><td>MAT313</td><td>3</td><td>Spring only</td><td>Political Science</td><td>3</td><td></td></t<>	MAT403 Linear Algebra	MAT313	3	Spring only	Political Science	3	
Elective Requirements Pre-Req Units Note Complete a set of two courses from the following: MAT255 4 MAT343 Multivariable Calculus MAT255 4 and MAT443 Advanced Calculus MAT313 3 MHY214 Physics for Scientists IW/Lab MAT245 & Exam 4 PHY214 4 Spring only PHY224 Physics for Scientists II w/Lab MAT245 & Exam 4 Fotal Major Units: 59 59 Upper Division Required GE units: 48 Upper Division Required GE Units: 12 Upper Division Required GE Units: 48 Upper Division Required GE Units: 12 Upper Division Elective Units Needed: 0 Contact Information 0 Pepartment of Natural & Mathematical Sciences	MAT463 Fundamental Concepts of Geometry	MAT313	3	Spring only	Lab Science	4	PHY214 will fulfill
Elective Requirements Pre-Req Units Note Complete a set of two courses from the following: MAT255 4 4 MAT343 Multivariable Calculus MAT213 3 Spring only Wulticultural Requirements 9 ENG123 & MAT363 will fulfill 6 uni PHY214 Physics for Scientists I w/Lab MAT245 & Exam 4 Fall only Multicultural Requirements 9 ENG123 & MAT363 will fulfill 6 uni and PHY224 Physics for Scientists I w/Lab MAT245 & Exam 4 Fall only 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni 10 1	MAT499 Capstone	-	4	Chair consent needed	Science or Kinesiology	4	PHY224 will fulfill
Complete a set of two courses from the following: MAT245 MAT255 4 MAT243 MAT343 Multivariable Calculus MAT255 4 MAT313 3 Spring only PHY214 Physics for Scientists I w/Lab MAT245 & Exam 4 Fall only Multivariable Calculus 9 ENG123 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 59 Total Required GE units: 12 12 Upper Division Major Units: 31	-			<u> </u>	Christian Studies	9	
MAT343 Multivariable Calculus MAT255 4 MAT313 3 Spring only PHY214 Physics for Scientists I w/Lab MAT245 & Exam 4 Fall only Mat144 9 ENG123 & MAT363 will fulfill 6 uni and PHY224 Physics for Scientists I w/Lab MAT245 & Exam 4 Fall only 9 ETC305 & MAT363 will fulfill 6 uni and PHY224 Physics for Scientists I w/Lab MAT245 & Exam 4 Fall only 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 9 ETC305 & MAT363 will fulfill 6 uni Interdisciplinary Requirements 12 Total Required GE units: 48 12 Upper Division Major Units: 59 Stational Elective Units Needed: 17 12 Upper Division Elective Units Needed: 0 0 0 0 Additional Elective Units Needed: 0 0 0 0 About This Plan Contac	Elective Requirements	Pre-Req	Units	Note	*Course is interdisciplinary	:	•
and MAT443 Advanced Calculus MAT313 3 Spring only PHY214 Physics for Scientists I w/Lab MAT245 & Exam 4 Fall only and PHY224 Physics for Scientists II w/Lab MAT245 & Exam 4 Fall only and PHY224 Physics for Scientists II w/Lab MAT245 & Exam 4 Fall only and PHY224 Physics for Scientists II w/Lab PHY214 4 Spring only Total Major Units: 59 Upper Division Major Units: 31 Additional Elective Units Needed: 17 Upper Division Elective Units Needed: 0 Contact Information * This plan is not a contract. Curriculum can be subject to change. Phylighighted courses and fields are major specific.	Complete a set of two courses from the following:						
PHY214	MAT343 Multivariable Calculus	MAT255	4		Upper Division Requirements	12	
and PHY224 PHY214 4 Spring only Total Required GE units: 48 Total Major Units: 59 Upper Division Required GE Units: 12 Upper Division Major Units: 31 Additional Elective Units Needed: 17 Upper Division Elective Units Needed: 0 0 About This Plan Contact Information • This plan is not a contract. Curriculum can be subject to change. • Highlighted courses and fields are major specific. Department of Natural & Mathematical Sciences	and MAT443 Advanced Calculus	MAT313	3	Spring only	Multicultural Requirements	9	ENG123 & MAT363 will fulfill 6 units
Total Major Units: 59 Total Required GE units: 48 Upper Division Major Units: 31 12 Additional Elective Units Needed: 17 Upper Division Elective Units Needed: 0 About This Plan Contact Information • This plan is not a contract. Curriculum can be subject to change. Department of Natural & Mathematical Sciences • Highlighted courses and fields are major specific. James 244	PHY214 Physics for Scientists I w/Lab	MAT245 & Exam	4	Fall only	Interdisciplinary Requirements	9	ETC305 & MAT363 will fulfill 6 units
Total Major Units: 59 Upper Division Required GE Units: 12 Upper Division Major Units: 31 Additional Elective Units Needed: 17 Upper Division Elective Units Needed: 0 0 About This Plan Contact Information • This plan is not a contract. Curriculum can be subject to change. • Highlighted courses and fields are major specific. Department of Natural & Mathematical Sciences (951) 343 - 4380 James 244	and PHY224 Physics for Scientists II w/Lab	PHY214	4	Spring only	-		
Upper Division Major Units: 31 Additional Elective Units Needed: 17 Upper Division Elective Units Needed: 0 <i>About This Plan</i> 0 • This plan is not a contract. Curriculum can be subject to change. Department of Natural & Mathematical Sciences • Highlighted courses and fields are major specific. James 244					Total Requi	red GE units	:48
Upper Division Major Units: 31 Additional Elective Units Needed: 17 Upper Division Elective Units Needed: 0 <i>About This Plan</i> 0 • This plan is not a contract. Curriculum can be subject to change. 0 • Highlighted courses and fields are major specific. Department of Natural & Mathematical Sciences (951) 343 - 4380 James 244							
Additional Elective Units Needed: 17 Upper Division Elective Units Needed: 0 About This Plan Contact Information • This plan is not a contract. Curriculum can be subject to change. Department of Natural & Mathematical Sciences • Highlighted courses and fields are major specific. Department of Natural & Mathematical Sciences	Total Major Units:	59			Upper Division Requir	red GE Units	: 12
Additional Elective Units Needed: 17 Upper Division Elective Units Needed: 0 About This Plan Contact Information • This plan is not a contract. Curriculum can be subject to change. Department of Natural & Mathematical Sciences • Highlighted courses and fields are major specific. Department of Natural & Mathematical Sciences							
Upper Division Elective Units Needed: 0 About This Plan Contact Information • This plan is not a contract. Curriculum can be subject to change. • Highlighted courses and fields are major specific. • Highlighted courses and fields are major specific. Department of Natural & Mathematical Sciences	Upper Division Major Units:	31					
About This PlanContact Information• This plan is not a contract. Curriculum can be subject to change. • Highlighted courses and fields are major specific.Department of Natural & Mathematical Sciences (951) 343 - 4380James 244				Additional Electiv	ve Units Needed: 17		
About This PlanContact Information• This plan is not a contract. Curriculum can be subject to change. • Highlighted courses and fields are major specific.Department of Natural & Mathematical Sciences (951) 343 - 4380James 244							
 This plan is not a contract. Curriculum can be subject to change. Highlighted courses and fields are major specific. Department of Natural & Mathematical Sciences (951) 343 - 4380 James 244 				Upper Division Electiv	ve Units Needed: 0		
 This plan is not a contract. Curriculum can be subject to change. Highlighted courses and fields are major specific. Department of Natural & Mathematical Sciences (951) 343 - 4380 James 244 							
 This plan is not a contract. Curriculum can be subject to change. Highlighted courses and fields are major specific. Department of Natural & Mathematical Sciences (951) 343 - 4380 James 244 	Ahou	t This Plan				Contac	t Information
• Highlighted courses and fields are major specific. (951) 343 - 4380 James 244			ubiost t- 1		D		<i>v</i>
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						D	
Descriptions for all courses can be found in the CBU catalog at insidecbu.calbaptist.edu. Debbie Spala. Department Secretary dspala@calbaptist.edu	_	an be found in the	CBU catalo	og at		, ,	lhernandez@calbaptist.edu

- insidecbu.calbaptist.edu.To graduate, all students need 124 total units, 39 of which must be upper division.
- Courses numbered in the 300's and 400's are upper division.

cbu

• GST100, ENG103, and MAT095 count as elective units.

Department of Natural & Mathematical Sci	iences
(951) 343 - 4380	James 244
Dr. Lisa Hernandez, Dean	lhernandez@calbaptist.edu
Debbie Spala, Department Secretary	dspala@calbaptist.edu
Dr. Frank Pankowski, Faculty Advisor	fpankows@calbaptist.edu
Office of Academic Advising	Yeager B150
(951) 343 - 4567	advising@calbaptist.edu

Cbu Foundational Mathematics (if taking PHY214 & PHY224)

2013-2014

		Freshman Year			Sophomore Year	
Fall Semester		Spring Semester	Summer Semester	Fall Semester	Spring Semester	Summer Semester
MAT125 Mathematics	3	MAT101 Orientation to the		EDU300 American Public 3	MAT250 Modeling & 2	
Concepts & Applications I	5	Discipline		Schols	Applications of Calculus	
ENG113 Composition	3	MAT127 Mathematics Concepts & Applications II 3		MAT245 Analyitcal Geometry & Calculus I	MAT255 Analytical 4 Geometry & Calculus II	
C077100 F	1			Upper Division General 3	Upper Division General 3	
GST100 Focus	1			Education Course 3	Education Course 3	
General Education Course	3	ENG123 Intermediate 3		General Education Course 3	General Education Course 3	
General Education Course	3	General Education Course 3		General Education Course 3	General Education Course 3	
General Education Course	3	General Education Course 3				
Total Units:			Total Units:	Total Units: 16		Total Units:
		Junior Year			Senior Year	
Fall Semester		Junior Year	Summer Semester	Fall Semester	Senior Year	Summer Semester
Fall Semester MAT313 Mathematical	2	Spring Semester	Summer Semester	Fall Semester	Spring Semester	Summer Semester
	3	Spring Semester	Summer Semester	EDU341 The Exceptional Child 3	Spring Semester	Summer Semester
MAT313 Mathematical Proofs & Structures MAT353 Probability & Statistics	3 3	Spring SemesterEDU302 Growth, Development & Learning3MAT403 Linear Algebra3	Summer Semester	EDU341 The Exceptional Child3ETC305 Educational Computing3	Spring SemesterMAT463 Fundamental Concepts of Geometry3MAT499 Capstone4	Summer Semester
MAT313 Mathematical Proofs & Structures MAT353 Probability &		Spring Semester EDU302 Growth, Development & Learning	Summer Semester	EDU341 The Exceptional Child3ETC305 Educational Computing3MAT363 History of Math & Theory of Numbers3	Spring Semester MAT463 Fundamental Concepts of Geometry 3	Summer Semester
MAT313 Mathematical Proofs & Structures MAT353 Probability & Statistics PHY214 Physics for	3	Spring SemesterEDU302 Growth, Development & Learning3MAT403 Linear Algebra3PHY224 Physics for4	Summer Semester	EDU341 The Exceptional Child3ETC305 Educational Computing3MAT363 History of Math & 3	Spring SemesterMAT463 Fundamental Concepts of Geometry3MAT499 Capstone4Upper Division General3	Summer Semester
MAT313 Mathematical Proofs & Structures MAT353 Probability & Statistics PHY214 Physics for Scientists I w/Lab	3	Spring SemesterEDU302 Growth, Development & Learning3MAT403 Linear Algebra3PHY224 Physics for Scientists II w/Lab4	Summer Semester	EDU341 The Exceptional Child3ETC305 Educational Computing3MAT363 History of Math & Theory of Numbers3Upper Division General3	Spring SemesterMAT463 Fundamental Concepts of Geometry3MAT499 Capstone4Upper Division General Education Course3	Summer Semester
MAT313 Mathematical Proofs & Structures MAT353 Probability & Statistics PHY214 Physics for Scientists I w/Lab Elective	3	Spring SemesterEDU302 Growth, Development & Learning3MAT403 Linear Algebra3PHY224 Physics for Scientists II w/Lab4Elective3	Summer Semester	EDU341 The Exceptional Child3ETC305 Educational Computing3MAT363 History of Math & Theory of Numbers3Upper Division General Education Course3	Spring SemesterMAT463 Fundamental Concepts of Geometry3MAT499 Capstone4Upper Division General Education Course3Elective3	Summer Semester
MAT313 Mathematical Proofs & Structures MAT353 Probability & Statistics PHY214 Physics for Scientists I w/Lab Elective Elective	3	Spring SemesterEDU302 Growth, Development & Learning3MAT403 Linear Algebra3PHY224 Physics for Scientists II w/Lab4Elective3	Summer Semester	EDU341 The Exceptional Child3ETC305 Educational Computing3MAT363 History of Math & Theory of Numbers3Upper Division General Education Course3General Education Course3	Spring SemesterMAT463 Fundamental Concepts of Geometry3MAT499 Capstone4Upper Division General Education Course3Elective3	Summer Semester
MAT313 Mathematical Proofs & Structures MAT353 Probability & Statistics PHY214 Physics for Scientists I w/Lab Elective Elective	3	Spring SemesterEDU302 Growth, Development & Learning3MAT403 Linear Algebra3PHY224 Physics for Scientists II w/Lab4Elective3	Summer Semester	EDU341 The Exceptional Child3ETC305 Educational Computing3MAT363 History of Math & Theory of Numbers3Upper Division General Education Course3General Education Course3	Spring SemesterMAT463 Fundamental Concepts of Geometry3MAT499 Capstone4Upper Division General Education Course3Elective3	Summer Semester
MAT313 Mathematical Proofs & Structures MAT353 Probability & Statistics PHY214 Physics for Scientists I w/Lab Elective Elective	3	Spring SemesterEDU302 Growth, Development & Learning3MAT403 Linear Algebra3PHY224 Physics for Scientists II w/Lab4Elective3	Summer Semester	EDU341 The Exceptional Child3ETC305 Educational Computing3MAT363 History of Math & Theory of Numbers3Upper Division General Education Course3General Education Course3	Spring SemesterMAT463 Fundamental Concepts of Geometry3MAT499 Capstone4Upper Division General Education Course3Elective3	Summer Semester

Total Units: 124 (124 units required to graduate)