## **CDU** Foundational Mathematics (if taking PHY214 & PHY224)

MAT250 Modeling & Applications of Calculus MAT255 Analytical Geometry & Calculus II Upper Division Requirements EDU300 American Public Schools EDU302 Growth, Development & Learning EDU341 The Exceptional Child ETC305 Educational Computing MAT313 Mathematical Proofs & Structures MAT353 Probability & Statistics	Pre-Req - MAT115 MAT125 MAT125 MAT135 or 145 MAT245 MAT245 Pre-Req - -	Units 1 3 3 4 2 4 Units 3	Note Spring only Fall only Spring only Spring only Spring only		Units 3 3 3 3 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0	Note         ENG113 required         MAT363* will fulfill         ETC305* will fulfill         t, add those units to Additional Elective Units Neede
MAT101       Orientation to the Discipline         MAT125       Mathematics Concepts & Applications I         MAT127       Mathematics Concepts & Applications II         MAT135       Pre-Calculus         MAT245       Analyitcal Geometry & Calculus I         MAT250       Modeling & Applications of Calculus         MAT255       Analytical Geometry & Calculus I         MAT255       Analytical Geometry & Calculus II         Upper Division Requirements       EDU300         EDU300       American Public Schools         EDU302       Growth, Development & Learning         EDU341       The Exceptional Child         ETC305       Educational Computing         MAT313       Mathematical Proofs & Structures         MAT353       Probability & Statistics	MAT125 MAT115 MAT135 or 145 MAT245 MAT245 Pre-Req - -	3 3 4 2 4 Units	Fall only Spring only Spring only	English Competency Math Competency Technology Foreign Language I Foreign Language II If you are exempt from a Competer	3 3 3 3	MAT363* will fulfill ETC305* will fulfill
MAT127       Mathematics Concepts & Applications II         MAT135       Pre-Calculus         MAT245       Analytical Geometry & Calculus I         MAT250       Modeling & Applications of Calculus         MAT255       Analytical Geometry & Calculus I         MAT255       Analytical Geometry & Calculus II         Upper Division Requirements       EDU300         EDU300       American Public Schools         EDU302       Growth, Development & Learning         EDU341       The Exceptional Child         ETC305       Educational Computing         MAT313       Mathematical Proofs & Structures         MAT353       Probability & Statistics	MAT125 MAT115 MAT135 or 145 MAT245 MAT245 Pre-Req - -	3 3 4 2 4 Units	Spring only Spring only	Math Competency         Technology         Foreign Language I         Foreign Language II         If you are exempt from a Competer	3 3 3	ETC305* will fulfill
MAT127       Mathematics Concepts & Applications II         MAT135       Pre-Calculus         MAT245       Analytical Geometry & Calculus I         MAT250       Modeling & Applications of Calculus         MAT255       Analytical Geometry & Calculus I         MAT255       Analytical Geometry & Calculus II         Upper Division Requirements       EDU300         EDU300       American Public Schools         EDU302       Growth, Development & Learning         EDU341       The Exceptional Child         ETC305       Educational Computing         MAT313       Mathematical Proofs & Structures         MAT353       Probability & Statistics	MAT115 MAT135 or 145 MAT245 MAT245 Pre-Req - -	3 4 2 4 Units	Spring only Spring only	Technology Foreign Language I Foreign Language II If you are exempt from a Competer	3 3 3	ETC305* will fulfill
MAT135 Pre-Calculus       MAT245 Analytical Geometry & Calculus I       M         MAT250 Modeling & Applications of Calculus       M       MAT255 Analytical Geometry & Calculus II <b>Upper Division Requirements</b> EDU300 American Public Schools       EDU302 Growth, Development & Learning         EDU341 The Exceptional Child       ETC305 Educational Computing       MAT313 Mathematical Proofs & Structures         MAT353 Probability & Statistics       MAT353       MAT313 Mathematical Proofs & Structures	MAT135 or 145 MAT245 MAT245 Pre-Req - -	4 2 4 Units	Spring only	Foreign Language I Foreign Language II If you are exempt from a Competer	3	t, add those units to Additional Elective Units Neede
MAT250 Modeling & Applications of Calculus MAT255 Analytical Geometry & Calculus II Upper Division Requirements EDU300 American Public Schools EDU302 Growth, Development & Learning EDU341 The Exceptional Child ETC305 Educational Computing MAT313 Mathematical Proofs & Structures MAT353 Probability & Statistics	MAT245 MAT245 Pre-Req - -	2 4 <b>Units</b>		Foreign Language II If you are exempt from a Competer	-	t, add those units to Additional Elective Units Neede
MAT255 Analytical Geometry & Calculus II Upper Division Requirements EDU300 American Public Schools EDU302 Growth, Development & Learning EDU341 The Exceptional Child ETC305 Educational Computing MAT313 Mathematical Proofs & Structures MAT353 Probability & Statistics	MAT245 Pre-Req	4 Units			ncy Requiremen	t, add those units to Additional Elective Units Neede
Upper Division Requirements         EDU300 American Public Schools         EDU302 Growth, Development & Learning         EDU341 The Exceptional Child         ETC305 Educational Computing         MAT313 Mathematical Proofs & Structures         MAT353 Probability & Statistics	Pre-Req - -	Units			• •	
EDU300 American Public Schools EDU302 Growth, Development & Learning EDU341 The Exceptional Child ETC305 Educational Computing MAT313 Mathematical Proofs & Structures MAT353 Probability & Statistics	-			a a		
EDU300 American Public Schools EDU302 Growth, Development & Learning EDU341 The Exceptional Child ETC305 Educational Computing MAT313 Mathematical Proofs & Structures MAT353 Probability & Statistics	-			Core Curriculum	Units	Note
EDU300 American Public Schools EDU302 Growth, Development & Learning EDU341 The Exceptional Child ETC305 Educational Computing MAT313 Mathematical Proofs & Structures MAT353 Probability & Statistics	-	2	Note	Behavioral Science	6	1
EDU341 The Exceptional Child ETC305 Educational Computing MAT313 Mathematical Proofs & Structures MAT353 Probability & Statistics		3	Certificate of Clearance required	English Composition	3	ENG123 required
ETC305 Educational Computing MAT313 Mathematical Proofs & Structures MAT353 Probability & Statistics	-	3	Certificate of Clearance required	English or Film	3	
ETC305 Educational Computing MAT313 Mathematical Proofs & Structures MAT353 Probability & Statistics		3	Certificate of Clearance required	Communication Arts	3	
MAT313 Mathematical Proofs & Structures MAT353 Probability & Statistics	-	3		Art or Music	3	
	MAT245	3	Fall only	Philosophy	3	
	MAT245	3	Fall only (even years)	US History	3	
	Pre or Co: MAT313	3	Fall only (odd years)	Non-US History	3	1
MAT403 Linear Algebra	MAT313	3	Spring only (even years)	Political Science	3	1
MAT463 Fundamental Concepts of Geometry	MAT313	3	Spring only (odd years)	Lab Science	4	PHY214 will fulfill
MAT499 Capstone	-	4	Chair consent needed	Science or Kinesiology	4	PHY224 will fulfill
· · · · · ·			•	Christian Studies	9	
Elective Requirements	Pre-Req	Units	Note	*Course is interdisciplinary		-
Complete a set of two courses from the following:						
MAT343 Multivariable Calculus	MAT255	4		<b>Upper Division Requirements</b>	12	
and MAT443 Advanced Calculus	MAT313	3	Spring only (odd years)	Interdisciplinary Requirements	9	ETC305 & MAT363 will fulfill 6 units
PHY214 Physics for Scientists I w/Lab M	MAT245 & Exam	4	Fall only	Multicultural Requirements	9	ENG123 & MAT363 will fulfill 6 units
and PHY224 Physics for Scientists II w/Lab	PHY214	4	Spring only	Total Requ	uired GE units:	48
Total Major Units:	59			Upper Division Requ	ired GE Units:	12
Upper Division Major Units:	31		Additional Electiv	e Units Needed:17		
				re Units Needed: 0		
About T	This Plan					
• This plan is not a contract. Curr					Contac	t Information

- Highlighted courses and fields are major specific.
- Descriptions for all courses can be found in the CBU catalog at www.calbaptist.edu/about/universitycatalogs.aspx.
- 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.
- GST100, ENG103, and MAT095 count as elective units.

Department of Natural & Mathematical Sc	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 Enrollment Advising	Yeager B150
(951) 343 - 4567	advising@calbaptist.edu

## **Foundational Mathematics (if taking PHY214 & PHY224)**

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		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 Geometry & Calculus II	4		
C07100 F				Unana Districtor Commut	Upper Division General			
GST100 Focus	1	MAT135 Pre-Calculus 3		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						
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		Junior Year			Senior Year			
Fall Semester		Junior Year Spring Semester	Summer Semester	Fall Semester	<i>Senior Year</i> Spring Semester	Summer Semester		
MAT313 Mathematical	3	Spring Semester           EDU302 Growth,         3	Summer Semester	EDU341 The Exceptional	Spring Semester MAT403 or MAT463	Summer Semester		
MAT313 Mathematical Proofs & Structures MAT353 or MAT363	3	Spring SemesterEDU302 Growth, Development & Learning3MAT403 or MAT4633	Summer Semester	EDU341 The Exceptional Child3ETC305 Educational3	Spring Semester			
MAT313 Mathematical Proofs & Structures MAT353 or MAT363 (depending on year) PHY214 Physics for		Spring SemesterEDU302 Growth, Development & Learning3MAT403 or MAT463 (depending on year)3PHY224 Physics for4	Summer Semester	EDU341 The Exceptional Child3ETC305 Educational Computing3MAT353 or MAT3633	Spring SemesterMAT403 or MAT463 (depending on year)MAT499 CapstoneUpper Division General	3		
MAT313 Mathematical Proofs & Structures MAT353 or MAT363 (depending on year)	3	Spring SemesterEDU302 Growth, Development & Learning3MAT403 or MAT463 (depending on year)3BLW324 Draging for1	Summer Semester	EDU341 The Exceptional Child3ETC305 Educational Computing3	Spring Semester MAT403 or MAT463 (depending on year) MAT499 Capstone	3		
MAT313 Mathematical Proofs & Structures MAT353 or MAT363 (depending on year) PHY214 Physics for Scientists I w/Lab	3	Spring SemesterEDU302 Growth, Development & Learning3MAT403 or MAT463 (depending on year)3PHY224 Physics for Scientists II w/Lab4	Summer Semester	EDU341 ChildThe Exceptional Child3ETC305 Computing3MAT353 or MAT363 (depending on year)3Upper Division General3	Spring Semester MAT403 or MAT463 (depending on year) MAT499 Capstone Upper Division General Education Course	3       4       3		
MAT313 Mathematical Proofs & Structures MAT353 or MAT363 (depending on year) PHY214 Physics for Scientists I w/Lab Elective	3	Spring SemesterEDU302 Growth, Development & Learning3MAT403 or MAT463 (depending on year)3PHY224 Physics for Scientists II w/Lab4Elective3	Summer Semester	EDU341 The Exceptional Child3ETC305 Educational Computing3MAT353 or MAT363 (depending on year)3Upper Division General Education Course3	Spring SemesterMAT403 or MAT463 (depending on year)MAT499 CapstoneUpper Division General Education CourseElective	3       4       3		
MAT313 Mathematical Proofs & Structures MAT353 or MAT363 (depending on year) PHY214 Physics for Scientists I w/Lab Elective Elective	3	Spring SemesterEDU302 Growth, Development & Learning3MAT403 or MAT463 (depending on year)3PHY224 Physics for Scientists II w/Lab4Elective3	Summer Semester	EDU341 ChildThe Exceptional Child3ETC305 Computing3MAT353 or MAT363 (depending on year)3Upper Division General Education Course3General Education Course3	Spring SemesterMAT403 or MAT463 (depending on year)MAT499 CapstoneUpper Division General Education CourseElective	3       4       3		
MAT313 Mathematical Proofs & Structures MAT353 or MAT363 (depending on year) PHY214 Physics for Scientists I w/Lab Elective Elective	3	Spring SemesterEDU302 Growth, Development & Learning3MAT403 or MAT463 (depending on year)3PHY224 Physics for Scientists II w/Lab4Elective3	Summer Semester	EDU341 ChildThe Exceptional Child3ETC305 Computing3MAT353 or MAT363 (depending on year)3Upper Division General Education Course3General Education Course3	Spring SemesterMAT403 or MAT463 (depending on year)MAT499 CapstoneUpper Division General Education CourseElective	3       4       3		
MAT313 Mathematical Proofs & Structures MAT353 or MAT363 (depending on year) PHY214 Physics for Scientists I w/Lab Elective Elective	3	Spring SemesterEDU302 Growth, Development & Learning3MAT403 or MAT463 (depending on year)3PHY224 Physics for Scientists II w/Lab4Elective3	Summer Semester	EDU341 ChildThe Exceptional Child3ETC305 Computing3MAT353 or MAT363 (depending on year)3Upper Division General Education Course3General Education Course3	Spring SemesterMAT403 or MAT463 (depending on year)MAT499 CapstoneUpper Division General Education CourseElective	3       4       3		

Total Units: 124 (124 units required to graduate)