

Major Requirements

Lower Division Requirements	Pre-Req	Units	Note
CIS268 Computer Programming Languages	-	3	Spring only
MAT245 Analytical Geometry & Calculus I	MAT135 or 145	4	
MAT255 Analytical Geometry & Calculus II	MAT245	4	
STA144 Introduction to Statistics	-	3	
STA205 Applied Linear Regression	STA144	3	Spring only (even years)
STA210 Statistical Computing I	CIS268 & STA144	3	Fall only (odd years)
STA211 Statistical Computing II	STA210, MAT255 & 303	3	Spring only (even years)

Upper Division Requirements	Pre-Req	Units	Note
MAT303 Linear Algebra w/ App to Diff Equations	MAT245	3	Fall only
MAT343 Multivariable Calculus	MAT255	4	
MAT353 Probability & Statistics	MAT245	3	Fall only (even years)
STA303 Research & Experimental Design	STA144	3	Fall only (odd years)
STA305 Sampling & Survey Methodology	-	3	Fall only (odd years)
STA310 Mathematical Statistics I	-	3	Fall only (even years)
STA311 Mathematical Statistics II	STA310, MAT303 & 343	3	Spring only (odd years)
STA499 Capstone	Dept. Chair consent	3	Spring only

Concentration Requirements	Pre-Req	Units	Note
BIO146 General Biology I w/Lab	-	4	Fall only
BIO148 General Biology II w/Lab	-	4	Spring only
Choose 3 of the following courses:			
BIO302 Ecology w/Lab	BIO114, 143 or 146	4 each (12 total)	Spring only (even years)
BIO305 Microbiology w/Lab	BIO146 or 153		Fall only
BIO313 Genetics	BIO146		Spring only
BIO330 Cell & Molecular Biology w/Lab	BIO146 & 148		Fall only
BIO489 Immunology & Molecular Patho w/Lab	BIO146 & 148		Spring only (odd years)

Total Major Units: 68

Upper Division Major Units: 37

Additional Elective Units Needed: 8

Upper Division Elective Units Needed: 0

About This Plan

- This plan is not a contract. Curriculum can be subject to change.
- 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.

General Education Requirements

Competency Requirements	Units	Note
English Competency	3	ENG113 required
Math Competency	3	STA499* will fulfill
Technology	3	CIS268 will fulfill
Foreign Language I	3	
Foreign Language II	3	

If you are exempt from a Competency Requirement, add those units to Additional Elective Units Needed.

Core Curriculum	Units	Note
Behavioral Science	6	
English Composition	3	ENG123 required
English or Film	3	
Communication Arts	3	
Art or Music	3	
Philosophy	3	
US History	3	
Non-US History	3	
Political Science	3	
Lab Science	4	BIO302, 305, 313, 330 or 489 will fulfill
Science or Kinesiology	4	BIO302, 305, 313, 330 or 489 will fulfill
Christian Studies	9	

*Course is interdisciplinary

Upper Division Requirements	12	BIO302/305/313/330/489 will fulfill 8 units
Interdisciplinary Requirements	9	STA499 will fulfill 3 units
Multicultural Requirements	9	ENG123 will fulfill 3 units

Total Required GE units: 48

Upper Division Required GE Units: 4

Contact Information

Department of Natural & Mathematical Sciences	
(951) 343 - 4380	James 454
• Dr. Lisa Hernandez, Chair	lihernandez@calbaptist.edu
• Debbie Spala, Department Secretary	dspala@calbaptist.edu
• Dr. Linn Carothers, Faculty Advisor	lcarothers@calbaptist.edu
Office of Academic Advising	Yeager B150
(951) 343 - 4567	advising@calbaptist.edu

Freshman Year
Sophomore Year

Fall Semester		Spring Semester		Summer Semester	
MAT245 Analytical Geometry & Calculus I	4	CIS268 Computer Programming Languages	3		
STA144 Introduction to Statistics	3	MAT255 Analytical Geometry & Calculus II	4		
ENG113 Composition	3	STA205 or GE Course (depending on year)	3		
GST100 Focus	1	ENG123 Intermediate Composition	3		
General Education Course	3	General Education Course	3		
Total Units: <u>14</u>		Total Units: <u>16</u>		Total Units: <u> </u>	

Fall Semester		Spring Semester		Summer Semester	
BIO146 General Biology I w/Lab	4	BIO148 General Biology II w/Lab	4		
MAT303 Linear Algebra w/App to Diff Equations	3	GE Course or STA205 (depending on year)	3		
MAT353 or STA210 (depending on year)	3	GE Course or STA211 (depending on year)	3		
General Education Course	3	Upper Division General Education Course	3		
General Education Course	3	General Education Course	3		
Total Units: <u>16</u>		Total Units: <u>16</u>		Total Units: <u> </u>	

Junior Year
Senior Year

Fall Semester		Spring Semester		Summer Semester	
STA210 or MAT353 (depending on year)	3	Concentration Course	4		
STA303 or MAT343 (depending on year)	3/4	STA211 or GE Course (depending on year)	3		
STA305 or STA310 (depending on year)	3	GE Course or STA311 (depending on year)	3		
General Education Course	3	Upper Division General Education Course	3		
General Education Course	3	General Education Course	3		
Total Units: <u>15/16</u>		Total Units: <u>16</u>		Total Units: <u> </u>	

Fall Semester		Spring Semester		Summer Semester	
Concentration Course	4	Concentration Course	4		
MAT343 or STA303 (depending on year)	4/3	STA499 Capstone	3		
STA310 or STA305 (depending on year)	3	STA311 or GE Course (depending on year)	3		
General Education Course	3	General Education Course	3		
Elective	1	Elective	3		
Total Units: <u>15/14</u>		Total Units: <u>16</u>		Total Units: <u> </u>	

Total Units: 124 (124 units required to graduate)