

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 (spring 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 (even 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
CHE115 General Chemistry I w/Lab	CHE102 or HS Chem	4	
CHE125 General Chemistry II w/Lab	CHE115	4	Spring only
CHE230 Introduction to Molecular Modeling	CHE115	1	Spring only
CHE321 Analytical Chemistry w/Lab	CHE125	4	Fall only
Choose 2 of the following courses:			
CHE370 Environmental Chemistry w/Lab	CHE125 & BIO146 or 148	4	Spring only (odd years)
CHE415 Physical Chemistry I	CHE125 & MAT145 or 245	3	Fall only
CHE470 Instrumental Analysis	CHE321	4	Spring only (even years)

Total Major Units: 68 - 69

Upper Division Major Units: 41 - 42

Additional Elective Units Needed: 7 - 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 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.
- 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	CHE321 will fulfill
Science or Kinesiology	4	CHE370 or 470 will fulfill
Christian Studies	9	

*Course is interdisciplinary

Upper Division Requirements	12	CHE321 & CHE370/470 will fulfill 8 units
Multicultural Requirements	9	ENG123 will fulfill 3 units
Interdisciplinary Requirements	9	STA499 will fulfill 3 units

Total Required GE units: 48

Upper Division Required GE Units: 4

Contact Information

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Freshman Year
Sophomore Year

Fall Semester		Spring Semester		Summer Semester	
MAT245 Analytical Geometry & Calculus I	4	MAT255 Analytical Geometry & Calculus II	4		
STA144 Introduction to Statistics	3	STA205 or CIS268 (depending on year)	3		
ENG113 Composition	3	ENG123 Intermediate Composition	3		
GST100 Focus	1	General Education Course	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	
CHE115 General Chemistry I w/Lab	4	CHE125 General Chemistry II w/Lab	4		
MAT303 Linear Algebra w/ App to Diff Equations	3	CHE230 Introduction to Molecular Modeling	1		
MAT353 Probability & Statistics	3	CIS268 or STA205 (depending on year)	3		
General Education Course	3	Upper Division General Education Course	3		
General Education Course	3	General Education Course	3		
		Elective	1		
Total Units: <u>16</u>		Total Units: <u>15</u>		Total Units: <u> </u>	

Junior Year
Senior Year

Fall Semester		Spring Semester		Summer Semester	
MAT343 Multivariable Calculus	4	Concentration Course	4		
STA210 or STA310 (depending on year)	3	STA211 or STA311 (depending on year)	3		
STA303 or STA305 (depending on year)	3	Upper Division General Education Course	3		
General Education Course	3	General Education Course	3		
General Education Course	3	Elective	2		
Total Units: <u>16</u>		Total Units: <u>15</u>		Total Units: <u> </u>	

Fall Semester		Spring Semester		Summer Semester	
CHE321 Analytical Chemistry w/Lab	4	Concentration Course	4		
STA305 or STA303 (depending on year)	3	STA311 or STA211 (depending on year)	3		
STA310 or STA210 (depending on year)	3	STA499 Capstone	3		
General Education Course	3	General Education Course	3		
General Education Course	3	Elective	3		
Total Units: <u>16</u>		Total Units: <u>16</u>		Total Units: <u> </u>	

Total Units: 124 (124 units required to graduate)