

Major Requirements

Lower Division 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
MAT245 Analytical Geometry & Calculus I	MAT135 or 145	4	See catalog
MAT255 Analytical Geometry & Calculus II	MAT245	4	
PHY214 Physics for Scientists I w/Lab	MAT145 or 245	4	Fall only (entrance exam)
PHY224 Physics for Scientists II w/Lab	PHY214	4	Spring only

Upper Division Requirements	Pre-Req	Units	Note
CHE321 Analytical Chemistry w/Lab	CHE125	4	Fall only
CHE351 Organic Chemistry I w/Lab	CHE125	4	Fall only
CHE352 Organic Chemistry II w/Lab	CHE351	4	Spring only
CHE415 Physical Chemistry I	CHE125 & MAT145 or 245	3	Fall only
CHE416 Physical Chemistry II w/Lab	CHE125, 230 & MAT245	4	Spring only (odd years)
CHE470 Instrumental Analysis	CHE321	4	Spring only (even years)
CHE480 Chemistry Research Seminar	See catalog	1	

Concentration Requirements	Pre-Req	Units	Note
BIO146 General Biology I w/Lab	-	4	
BIO148 General Biology II w/Lab	-	4	Spring only
CHE341 Advanced Inorganic Chemistry w/Lab	See catalog	4	Spring only (even years)
PHY213 Astronomy	-	3	Fall only
PSC151 Introduction to the Geosciences	-	3	

Total Major Units: 67

Upper Division Major Units: 28

Additional Elective Units Needed: 6

Upper Division Elective Units Needed: 5

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	MAT245 will fulfill. STA144 recommended.
Technology	3	CIS265 recommended
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. CHE101 recommended.
Science or Kinesiology	4	CHE351 will fulfill
Christian Studies	9	

*Course is interdisciplinary

Upper Division Requirements	12	CHE321 & 351 will fulfill 6 units
Multicultural Requirements	9	ENG123 will fulfill 3 units
Interdisciplinary Requirements	9	

Total Required GE units: 51

Upper Division Required GE Units: 6

Contact Information

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

Freshman Year
Fall Semester

BIO146 General Biology I w/Lab	4
CHE115 General Chemistry I w/Lab	4
ENG113 Composition	3
GST100 Focus	1
General Education Course (or Math Course if needed)	3
Caution: If additional Math is taken, an additional GE must be added to this plan.	

 Total Units: 15
Spring Semester

CHE125 General Chemistry II w/Lab	4
BIO148 General Biology II w/Lab	4
ENG123 Composition	3
General Education Course	3
Elective	1

 Total Units: 15
Summer Semester

 Total Units:
Sophomore Year
Fall Semester

CHE351 Organic Chemistry I w/Lab	4
MAT245 Analytical Geometry & Calculus I	4
Upper Division General Education Course	3
General Education Course	3
General Education Course	3

 Total Units: 17
Spring Semester

CHE230 Introduction to Molecular Modeling	1
CHE352 Organic Chemistry II w/Lab	4
MAT255 Analytical Geometry & Calculus II	4
Upper Division General Education Course	3
General Education Course	3
Elective	1

 Total Units: 16
Summer Semester

 Total Units:
Junior Year
Fall Semester

CHE321 Analytical Chemistry w/Lab	4
PHY213 Astronomy	3
Upper Division General Education Course	3
General Education Course	3
Elective	1

 Total Units: 14
Spring Semester

CHE470 Instrumental Analysis	4
CHE341 Advanced Inorganic Chemistry w/Lab	4
Upper Division General Education Course	3
General Education Course	3
Elective	1

 Total Units: 15
Summer Semester

 Total Units:
Senior Year
Fall Semester

CHE415 Physical Chemistry I	3
CHE480 Chemistry Research Seminar	1
PHY214 Physics for Scientists I w/Lab	4
General Education Course	3
General Education Course	3
Elective	1

 Total Units: 15
Spring Semester

CHE416 Physical Chemistry II w/Lab	4
PHY224 Physics for Scientists II w/Lab	4
PSC151 Introduction to the Geosciences	3
General Education Course	3
General Education Course	3

 Total Units: 17
Summer Semester

 Total Units:
Total Units: 124 (124 units required to graduate)