

### Major Requirements

Lower Division Requirements	Pre-Req	Units	Note
BIO146 General Biology I w/Lab	-	4	
BIO148 General Biology II w/Lab	-	4	Spring only
CHE115 General Chemistry I w/Lab	CHE102 or HS Chem	4	
CHE125 General Chemistry II w/Lab	CHE115	4	Spring only
MAT145 Math Methods in Natural Sciences	MAT115 or 135	4	Spring only
or MAT245 Analytical Geometry & Calculus I	MAT135 or 145		

Lower Division Physics Requirements	Pre-Req	Units	Note
Complete one of the following two-semester sequences:			
PHY114 General Physics I w/Lab	MAT145 or 245	4	Fall only (entrance exam)
PHY124 General Physics II w/Lab	PHY114	4	Spring only
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
BIO313 Genetics	BIO146	4	
BIO330 Cell & Molecular Biology w/Lab	BIO146 & 148	4	Fall only
BIO380 Biology Seminar	-	1	Spring only
BIO499 Biology Capstone	Pre or Co: BIO380	2	Fall only
CHE351 Organic Chemistry I w/Lab	CHE125	4	Fall only
CHE352 Organic Chemistry II w/Lab	CHE351	4	Spring only

Concentration Requirements	Pre-Req	Units	Note
BIO114 General Botany w/Lab	-	4	Spring only
BIO302 Ecology w/Lab	BIO114, 143, or 146	4	Spring only (even years)
BIO344 Vertebrate Physiology w/Lab	BIO148 & CHE115	4	Spring only
PHY113 Astronomy	-	3	Fall only
PSC151 Introduction to Geosciences	-	3	

**Total Major Units: 65**

**Upper Division Major Units: 27**

### 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](http://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.
- CHE102, if needed, will count as elective units.

### General Education Requirements

Competency Requirements	Units	Note
English Competency	3	ENG113 required
Math Competency	3	MAT145 or 245 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	BIO313 will fulfill
Science or Kinesiology	4	BIO330 will fulfill
Christian Studies	9	

\*Course is interdisciplinary

Upper Division Requirements	12	BIO313 & 330 will fulfill 8 units
Multicultural Requirements	9	ENG123 will fulfill 3 units
Interdisciplinary Requirements	9	

**Total Required GE units: 51**

**Upper Division Required GE Units: 6**

**Additional Elective Units Needed: 8**

**Upper Division Elective Units Needed: 6**

### Contact Information

#### Department of Natural & Mathematical Sciences

(951) 552 - 8662

- Dr. Lisa Hernandez, Dean
- Rita Schneider, Department Secretary
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#### Office of Academic Advising

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**Yeager B146**

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**Freshman Year**
**Sophomore Year**

Fall Semester		Spring Semester		Summer Semester	
BIO146 General Biology I w/Lab	4	BIO148 General Biology II w/Lab	4		
CHE115 General Chemistry I w/Lab	4	CHEM125 General Chemistry II w/Lab	4		
ENG113 Composition	3	ENG123 Intermediate Composition	3		
GST100 Focus	1	General Education Course	3		
General Education Course (or Math Course if needed)	3	Elective	1		
*CHE102, if needed before CHE115, will change this plan.					
Total Units: <u>15</u>		Total Units: <u>15</u>		Total Units: <u>    </u>	

Fall Semester		Spring Semester		Summer Semester	
BIO330 Cell & Molecular Biology w/Lab	4	BIO114 General Botany w/Lab	4		
CHE351 Organic Chemistry I w/Lab	4	CHE352 Organic Chemistry II w/Lab	4		
Upper Division General Education Course	3	MAT145 or MAT245	4		
General Education Course	3	General Education Course	3		
General Education Course	3	Elective	1		
Total Units: <u>17</u>		Total Units: <u>16</u>		Total Units: <u>    </u>	

**Junior Year**
**Senior Year**

Fall Semester		Spring Semester		Summer Semester	
BIO313 Genetics	4	BIO344 or BIO302 (depending on year)	4		
PHY114 or PHY214	4	BIO380 Biology Seminar	1		
Upper Division General Education Course	3	PHY124 or PHY224	4		
General Education Course	3	General Education Course	3		
Elective	1	General Education Course	3		
Total Units: <u>15</u>		Total Units: <u>15</u>		Total Units: <u>    </u>	

Fall Semester		Spring Semester		Summer Semester	
BIO499 Biology Capstone	2	BIO302 or BIO344 (depending on year)	4		
PHY113 Astronomy	3	Upper Division General Education Course	3		
PSC151 Introduction to Geosciences	3	Upper Division General Education Course	3		
General Education Course	3	Elective Course (or GE if additional Math was taken)	3		
General Education Course	3	Elective	1		
General Education Course	3				
Total Units: <u>17</u>		Total Units: <u>14</u>		Total Units: <u>    </u>	

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