Biology - General Biology

Major Requirements

Lower Division Requirements	Pre-Req	Units	Note
BIO146 General Biology I w/Lab	-	4	Fall only
BIO148 General Biology II w/Lab	-	4	Spring only
CHE115 General Chemistry I w/Lab	CHE102 or HS Chem	4	Fall only
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	4	
Lower Division Physics Requirements	Pre-Req	Units	Note
Complete one of the following two-semester seque	nces:		
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	Spring only
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

Concentration Requirements	Pre-Req	Units	Note
BIO114 General Botany w/Lab	-	4	Spring only
Complete 12 additional upper division units in biology or SCI412	Classes vary	12 total	See catalog
biology or SCI412.	Classes vary	12 total	See catalog

About This Plan

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

· Descriptions for all courses can be found in the CBU catalog at

• To graduate, all students need 124 total units, 39 of which must

Courses numbered in the 300's and 400's are upper division.
GST100, CHE102, ENG103, and MAT095 count as elective units.

Total Major Units: 63

· Highlighted courses and fields are major specific.

www.calbaptist.edu/about/universitycatalogs.aspx.

Upper Division Major Units: 31

be upper division.

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	
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	
	3	
Political Science		
Political Science Lab Science	4	BIO330 will fulfill
	4 4	BIO330 will fulfill BIO313 will fulfill. BIO101 recommended

*Course is interdisciplinary

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

Total Required GE units: 51

Upper Division Required GE Units: 4

Additional Elective Units Needed: 10

Upper Division Elective Units Needed: 4

Contact Information

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Uppe

2012-2013

	Freshman Year			Sophomore Year	
Fall Semester	Spring Semester	Summer Semester	Fall Semester	Spring Semester	Summer Semester
BIO146 General Biology I 4	BIO148 General Biology II 4		CHE115 General Chemistry 4	BIO313 Genetics 4	
w/Lab CHE102 Fundamentals of	w/Lab ENG123 Intermediate		I w/Lab	CHEM125 General	
Chemistry 3	Composition 3		General Education Course 3	Chemistry II w/Lab	
ENG113 Composition 3	General Education Course 3		General Education Course 3	MAT145 or MAT245 4	
GST100 Focus 1	General Education Course 3		General Education Course 3	General Education Course 3	
General Education Course (or Math Course if needed) 3	General Education Course 3		General Education Course 3		
Total Units: 14	Total Units: 16	Total Units:	Total Units: 16	Total Units: 15	Total Units:
5	Junior Year			Senior Year	_
Fall Semester	<i>Junior Year</i> Spring Semester	Summer Semester	Fall Semester	Spring Semester	Summer Semester
BIO330 Cell & Molecular		Summer Semester	Fall Semester BIO499 Biology Capstone 2		Summer Semester
	Spring Semester	Summer Semester		Spring Semester BIO114 General Botany	Summer Semester
BIO330 Cell & Molecular Biology w/Lab 4 CHE351 Organic Chemistry 4	Spring SemesterBIO380Biology Seminar1CHE352Organic Chemistry4	Summer Semester	BIO499 Biology Capstone 2	Spring Semester BIO114 General Botany w/Lab	Summer Semester
BIO330 Cell & Molecular 4 Biology w/Lab 4 CHE351 Organic Chemistry 4 I w/Lab 4	Spring Semester BIO380 Biology Seminar 1 CHE352 Organic Chemistry II w/Lab 4	Summer Semester	BIO499 Biology Capstone2Concentration Course4Upper Division General3	Spring SemesterBIO114 General Botany w/Lab4Concentration Course4Upper Division General3	Summer Semester
BIO330 Cell & Molecular Biology w/Lab4CHE351 Organic Chemistry I w/Lab4PHY114 or PHY2144	Spring SemesterBIO380 Biology Seminar1CHE352 Organic Chemistry4PHY124 or PHY2244	Summer Semester	BIO499 Biology Capstone2Concentration Course4Upper Division General Education Course3	Spring SemesterBIO114 General Botany w/Lab4Concentration Course4Upper Division General Education Course3	Summer Semester
BIO330 Cell & Molecular Biology w/Lab4CHE351 Organic Chemistry I w/Lab4PHY114 or PHY2144	Spring SemesterBIO380 Biology Seminar1CHE352 Organic Chemistry II w/Lab4PHY124 or PHY2244Concentration Course4	Summer Semester	BIO499 Biology Capstone2Concentration Course4Upper Division General Education Course3General Education Course3	Spring SemesterBIO114 General Botany w/Lab4Concentration Course4Upper Division General Education Course3Upper Division Elective3Elective Course (or GE if 33	Summer Semester
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Total Units: 124 (124 units required to graduate)

2012-2013