Biology - Environmental Science

Major Requirements

cbu

CHE352 Organic Chemistry II w/Lab

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	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
CHE251 One on the Channel at the Law/Lab	CHE125	4	Eall only
CHE351 Organic Chemistry I w/Lab	CHE125	-	Fall 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)
CHE370 Environmental Chemistry w/Lab	CHE125 & BIO146 or 148	4	Spring only (odd years)
SCI412 Marine Science w/Lab	BIO148	4	

CHE351

Spring only

4

Total Major Units: 63

Upper Division Major Units: 31

Competency Requirements	Units	Note
English Competency	3	ENG113 required
Math Competency	3	MAT145 or 245 will fulfill. STA144 recommended.
Technology	3	CIS265
Foreign Language I	3	
Foreign Language II	3	
Dehavioral Caionae	6	
Core Curriculum	Units	Note
Behavioral Science	6	
Benavioral Science	6	
English Composition	3	ENG123 required
	-	ENG123 required
English Composition	3	ENG123 required
English Composition English or Film	3	ENG123 required
English Composition English or Film Communication Arts	3 3 3	ENG123 required
English Composition English or Film Communication Arts Art or Music	3 3 3 3	ENG123 required
English Composition English or Film Communication Arts Art or Music Philosophy	3 3 3 3 3 3	ENG123 required
English Composition English or Film Communication Arts Art or Music Philosophy US History	3 3 3 3 3 3 3	ENG123 required
English Composition English or Film Communication Arts Art or Music Philosophy US History Non-US History	3 3 3 3 3 3 3 3 3	ENG123 required ENG123 required BIO313 will fulfill. BIO101 recommended
English Composition English or Film Communication Arts Art or Music Philosophy US History Non-US History Political Science	3 3 3 3 3 3 3 3 3 3	

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	ļ
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(951) 343 - 4380	James 244
Dr. Lisa Hernandez, Dean	lhernandez@calbaptist.edu
Debbie Spala, Department Secretary	dspala@calbaptist.edu
Dr. Melissa Antonio, A-C Faculty Advisor	mantonia@calbaptist.edu
Dr. Dennis Bideshi, D-H Faculty Advisor	dbideshi@calbaptist.edu
Dr. Yoojin Choi, I-M Faculty Advisor	ychoi@calbaptist.edu
Dr. Bonjun Koo, N-Q Faculty Advisor	bonjunkoo@calbaptist.edu
Dr. Hyun-Woo Park, R-S Faculty Advisor	hpark@calbaptist.edu
Dr. Bruce Prins, T-Z Faculty Advisor	bprins@calbaptist.edu
Office of Enrollment Advising	Yeager B150
(951) 343 - 4567	advising@calbaptist.edu

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, CHE102, ENG103, and MAT095 count as elective units.

Biology - Environmental Science

	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	w/Lab T ENG123 Intermediate		I w/Lab	CHEM125 General	
Chemistry 3	Composition 3		Upper Division General Education Course 3	Chemistry II w/Lab	
ENG113 Composition 3	General Education Course 3		General Education Course 3	MAT145 or MAT245 4	
ENGLIS Composition 5	General Education Course 5		General Education Course 5	WAT145 01 WA1245	
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:
N	Junior Year			Senior Year	_
Fall Semester	Spring Semester	Summer Semester	Fall Semester	Senior Year Spring Semester	Summer Semester
Fall Semester BIO330 Cell & Molecular Biology w/Lab	Spring Semester BIO302 or CHE370	Summer Semester	Fall Semester BIO499 Biology Capstone 2		Summer Semester
BIO330 Cell & Molecular Biology w/Lab4CHE351 Organic Chemistry 4	Spring Semester	Summer Semester		Spring SemesterBIO114 General Botany w/Lab4BIO302 or CHE3704	Summer Semester
BIO330 Cell & Molecular Biology w/Lab	Spring Semester BIO302 or CHE370 (depending on year) 4	Summer Semester	BIO499 Biology Capstone 2	Spring Semester BIO114 General Botany w/Lab 4 BIO302 or CHE370	Summer Semester
BIO330 Cell & Molecular Biology w/Lab4CHE351 Organic Chemistry I w/Lab4	Spring SemesterBIO302 or CHE370 (depending on year)4BIO380 Biology Seminar1CHE352 Organic Chemistry 44	Summer Semester	BIO499 Biology Capstone 2 SCI412 Marine Science 4	Spring SemesterBIO114 General Botany w/Lab4BIO302 or CHE370 (depending on year)4Upper Division General Education Course3Upper Division Elective3	Summer Semester
BIO330 Cell & Molecular Biology w/Lab4CHE351 Organic Chemistry I w/Lab4PHY114 or PHY2144	Spring SemesterBIO302 or CHE370 (depending on year)4BIO380 Biology Seminar1CHE352 Organic Chemistry II w/Lab4	Summer Semester	BIO499 Biology Capstone2SCI412 Marine Science4General Education Course3	Spring SemesterBIO114 General Botany w/Lab4BIO302 or CHE370 (depending on year)4Upper Division General Education Course3	Summer Semester
BIO330 Cell & Molecular Biology w/Lab4CHE351 Organic Chemistry I w/Lab4PHY114 or PHY2144	Spring SemesterBIO302 or CHE370 (depending on year)4BIO380 Biology Seminar1CHE352 Organic Chemistry II w/Lab4PHY124 or PHY2244	Summer Semester	BIO499 Biology Capstone2SCI412 Marine Science4General Education Course3General Education Course3	Spring SemesterBIO114General Botany w/Lab4BIO302 or CHE370 (depending on year)4Upper Division General Education Course3Upper Division Elective3Elective Course (or GE if 33	Summer Semester
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Total Units: <u>124</u> (124 units required to graduate)

2011-2012