Biology - Pre-Medical

CDU

Major Requirements

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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	4		
Lower Division Physics Requirements	Pre-Req	Units	Note	
Complete one of the following two-semester sequen		Onits	note	
PHY114 General Physics I w/Lab	MAT145 or 245	4	Eall only (antrongo arom)	
-	PHY114	4	Fall only (entrance exam)	
PHY124 General Physics II w/Lab	MAT145 or 245	4	Spring only Fall only (entrance exam)	
PHY214 Physics for Scientists I w/Lab	PHY214	4		
PHY224 Physics for Scientists II w/Lab	1111214	4	Spring only	
Upper Division Requirements	Pre-Req	Units	Note	
BIO313 Genetics	BIO146	4	1,000	
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	
original creation in writer			Spring only	
Concentration Requirements	Pre-Req	Units	Note	
BIO305 Microbiology w/Lab	BIO146 or 153	4		
BIO324 Developmental Biology w/Lab	BIO146	4	Fall only	
BIO344 Vertebrate Physiology w/Lab	BIO148 & CHE115	4	Spring only	
Complete two of the following courses: BIO316, 435, 440, 489, CHE443, 444	Classes vary	4 each	See catalog	
Total Major Units:	67			
Upper Division Major Units:	39			
- FF			Additional Elec	
			Upper Division Elec	
Abou	t This Plan			
This plan is not a contract.Highlighted courses and field			nange.	
• Descriptions for all courses insidecbu.calbaptist.edu.	can be found in the C	CBU catalo	og at	
• To graduate, all students new	ed 124 total units. 39	of which	must	

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	nt, add those units to Additional Elective Units Needed. 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			
	4	BIO330 will fulfill. BIO101 recommended		
Lab Science				
Lab Science Science or Kinesiology	4	BIO313 will fulfill. BIO153 & 163 recommended		

^kCourse 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: 6

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Upper Division Elective Units Needed: _____0

• 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.

Contact Information

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Biology - Pre-Medical

	Freshman Year			Sophomore Year	
Fall Semester	Spring Semester	Summer Semester	Fall Semester Spring Semester		Summer Semester
BIO146 General Biology I w/Lab	BIO148 General Biology II w/Lab		BIO330 Cell & Molecular Biology w/Lab	BIO313 Genetics 4	
CHE102 Fundamentals of Chemistry 3	ENG123 Intermediate 3		CHE115 General Chemistry 4 I w/Lab	CHEM125 General 4 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	4 Total Units: 16	Total Units:	Total Units: <u>17</u>	Total Units: 15	Total Units:
2	Junior Year			Senior Year	
Fall Semester BIO305 Microbiology	Spring Semester	Summer Semester	Fall Semester BIO324 Developmental	Spring Semester BIO344 Vertebrate	Summer Semester
w/Lab	g,		Biology w/Lab	Physiology w/Lab	
CHE351 Organic Chemistry I w/Lab	CHE352 Organic Chemistry II w/Lab		BIO499 Biology Capstone 2	Concentration Course 4	
PHY114 or PHY214 4	PHY124 or PHY224 4		Upper Division General Education Course 3	Upper Division General Education Course 3	
General Education Course 3	Concentration Course 4		General Education Course 3	General Education Course 3	
	General Education Course 3		General Education Course 3	Elective Courses (or GE if additional Math was taken) 2/3	
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Total Units: 15	5 Total Units: 16	Total Units:	Total Units: 15	Total Units: 16/17	Total Units:

Total Units: <u>124/125</u> (124 units required to graduate)