

**Biological Sciences Department
Biotechnology Major
Curriculum Year: 2013-2014**

*Your department has developed this road plan, taking into account prerequisites and schedule restrictions.
You should pay attention to these concerns when deviating from this plan.*

Year 1	Fall	Units	Winter	Units	Spring	Units	Comment	
	BIO 121/121L GE Area B2, B3 & Support	5	BIO 122/122L Major Core	5	BIO 123/123L Major Core	5		<i>SCI 101/101A and SCI 102/102A together fulfill GE Area E.</i>
	CHM 121/121L GE Area B1, B3 & Support	4	CHM 122/122L Major Core	4	CHM 123/123L Major Core	4		
	ENG 104 GE Area A1 & Support	4	ENG 105 GE Area A3 & Support	4	MAT 120 GE Area B4 and Support	4		
	SCI 101/101A	2	SCI 102/102A	2				
Total Units	15	Total Units	15	Total Units	13			
Total Units for Year						43		

Year 2	Fall	Units	Winter	Units	Spring	Units	Comment	
	CHM 314/317L Major Core	4	CHM 315/318L Major Core	4	CHM 316/319L Major Core	4		<i>One course must be completed in each of the GE Areas C1-3 and D2-3. *Complete course for GE Area E unless SCI 101/101A and SCI 102/102A taken in year 1.</i>
	PHY 121/121L Major Support	4	PHY 122/122L Major Support	4	PHY 123/123L Major Support	4		
	*KIN/FN 203, PSY 201, or PSY 210 Select one course GE Area E	(4)	CHM 221/221L Major Core	4	PLS 201 GE Area D1a	4		
	GE Area A2 Any approved course in this area	4	GE Any approved course in area C1-3 or D2-3	4	GE Any approved course in area C1-3 or D2-3	4		
			BIO 230 Major Core	1				
Total Units	12-16	Total Units	17	Total Units	16			
Total Units for Year						45-49		

Year 3	Fall	Units	Winter	Units	Spring	Units	Comment
	MIC 201/201L Major Core	4	BIO 211/211L Major Core	4	BIO 441 or SCI 470 Select one course Major Core	2	<i>A list of approved courses in each of the Upper Division Clusters is available on the curriculum sheet, online or from the department.</i>
	CHM 327/327L Major Core	4	CHM 328/328L Major Core	4	CHM 329/329L Major Core	4	
	BIO 303 Major Core	4	BIO 310 Major Core	4	Upper Division Cluster Major Core	4	<i>At least 20 units from one "primary" cluster and 7 units from any of the other five clusters are required. Select courses in consultation with faculty advisor.</i>
	HST 202 GE Area D1b	4	GE Any approved course in area C1-3 or D2-3	4	GE Any approved course in area C1-3 or D2-3	4	
	<i>Take the Graduation Writing Test</i>						
Total Units	16	Total Units	16	Total Units	14		
Total Units for Year						46	

Year 4	Fall	Units	Winter	Units	Spring	Units	Comment
	BIO 450 Major Core	4	BIO 451/451L Major Core	5	BIO 490 Major Core	1	<i>One course must be completed in each of the GE Areas B5, C4, and D4.</i>
	Upper Division Cluster Major Core	4	Upper Division Cluster Major Core	4	Upper Division Cluster Major Core	5	
	Upper Division Cluster Major Core	5	GE synthesis Any approved course in area B5*, C4, or D4	4	Upper Division Cluster Major Core	5	<i>All GE Area A courses and all lower division GE courses in a GE area must be completed before taking the GE Synthesis course in that area.</i>
	GE Any approved course in area C1-3 or D2-3	4	GE synthesis Any approved course in area B5, C4, or D4	4	GE synthesis Any approved course in area B5, C4, or D4	4	
					<i>File an application to graduate</i>		
Total Units	17	Total Units	17	Total Units	15		
Total Units for Year						49	<i>*For GE Area B5, choose one of the following courses: BIO 301, BIO 302, BIO 309, BIO 328, or BIO 340.</i>

Total Units on Plan	180
Major Core Units	99
Major Support Units	13
General Education Units	68
Unrestricted Elective Units	0