

Biological Sciences Department
Environmental Biology Major — Environmental Microbiology & Biotechnology Cluster
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 Support	4	CHM 123/123L Major Support	4	
	ENG 104 GE Area A1 & Support	4	ENG 105 GE Area A3 & Support	4	MAT 120 GE Area B4 & 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
	BOT 201/201L Major Core	4	ZOO 201/201L Major Core	5	BIO 211/211L Major Core	5	<i>*Recommended to take STA 120 before taking BIO 211/211L</i>
	MIC 201/201L Major Support	4	PHY 121/121L Major Support	4	PHY 122/122L Major Support	4	
	PLS 201 GE Area D1a	4	CHM 314/317L Major Support	4	CHM 315/318L Major Support	4	
	GE Area A2 Any approved course in this area	4	GE Area E (unless SCI 101/A and SCI 102/L taken in year 1)	(4)	HST 201 GE Area D1b	4	
Total Units	16	Total Units	13-17	Total Units	17		
Total Units for Year						46-50	

Year 3	Fall	Units	Winter	Units	Spring	Units	Comment	
	BIO 325/325L Major Core	4	BIO 303 Major Core	4	Upper Division Elective Major Core	4	<i>Upper Division Core Electives must include 30 units with at least 18 units from one cluster and 12 units from one or both of the other clusters. At least 16 upper division electives must be taken at the 400 or 500 level.</i>	
	CHM 316 Major Support	3	CHM 327/327L Major Support	4	CHM 328/328L Major Support	4		
	GE Any approved course in area C1-3 or D2-3	4	PLT 231/231L Major Support	4	BIO 304 GE Synthesis Area B5 & Support	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	GE Any approved course in area C1-3 or D2-3	4		<i>The upper division core cluster courses are listed on the back of the curriculum sheet.</i>
	<i>Take the Graduation Writing Test</i>							
	Total Units	16	Total Units	16	Total Units	16	<i>One course must be completed in each of the GE areas C1, C2, C3, D2, and D3.</i>	
Total Units for Year					48			

Year 4	Fall	Units	Winter	Units	Spring	Units	Comment
	BIO 441 BIO 461 Select one course Major Core	2	Upper Division Elective Major Core	4-5	Upper Division Elective Major Core	4-5	<i>Upper Division Core Electives must include 30 units with at least 18 units from one cluster and 12 units from one or both of the other clusters. At least 16 upper division electives must be taken at the 400 or 500 level.</i>
	BIO 413 Major Core	4	RS 302 Major Support & GE D4	4	Upper Division Elective Major Core	4-5	
	Upper Division Elective Major Core	4	Upper Division Elective Major Core	4	Upper Division Elective Major Core	4-5	
	GE Any approved course in area C1-3 or D2-3	4	GE Synthesis Any approved course in area C4	4			<i>The upper division core cluster courses are listed on the back of the curriculum sheet.</i>
					<i>File an application to graduate</i>		
	Total Units	14	Total Units	16-17	Total Units	12-15	
Total Units for Year					42-46		

Total Units on Plan	180
Major Core Units	67
Major Support/Emphasis Units	45
General Education Units	68
Unrestricted Elective Units	0