

**Biological Sciences Department  
Biotechnology Major  
Curriculum Year: 2012-2013**

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

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

Year 3	Fall	Units	Winter	Units	Spring	Units	Comment
	<b>MIC 201/201L</b> Major Core	4	<b>BIO 211/211L</b> Major Core	4	<b>BIO 441 or SCI 470</b> Select one course Major Core	2	<p><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></p> <p><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></p>
	<b>CHM 327/327L</b> Major Core	4	<b>CHM 328/328L</b> Major Core	4	<b>CHM 329/329L</b> Major Core	4	
	<b>BIO 303</b> Major Core	4	<b>BIO 310</b> Major Core	4	Upper Div. Cluster Major Core	4	
	<b>HST 202</b> 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>						
	<b>Total Units</b>	<b>16</b>	<b>Total Units</b>	<b>16</b>	<b>Total Units</b>	<b>14</b>	
					<b>Total Units for Year</b>	<b>46</b>	

Year 4	Fall	Units	Winter	Units	Spring	Units	Comment
	<b>BIO 450</b> Major Core	4	<b>BIO 451/451L</b> Major Core	5	<b>BIO 490</b> Major Core	1	<p><i>One course must be completed in each of the GE Areas B5, C4, and D4.</i></p>
	Upper Div. Cluster Major Core	4	Upper Div. Cluster Major Core	4	Upper Div. Cluster Major Core	5	
	Upper Div. Cluster Major Core	5	GE synthesis Any approved course in area B5, C4, or D4	4	Upper Div. Cluster Major Core	5	<p><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></p>
	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>		
	<b>Total Units</b>	<b>17</b>	<b>Total Units</b>	<b>17</b>	<b>Total Units</b>	<b>15</b>	
					<b>Total Units for Year</b>	<b>49</b>	

<b>Total Units on Plan</b>	<b>183</b>
<b>Major Core Units</b>	<b>102</b>
<b>Major Support Units</b>	<b>12</b>
<b>General Education Units</b>	<b>69</b>
<b>Unrestricted Elective Units</b>	<b>0</b>