

	<i>Units</i>
Major requirements	40
<i>Biology Core.....</i>	<i>(22)</i>
<i>Option requirements</i>	<i>(18)</i>
A. Molecular Biology and Bioinformatics	(5)
BIOL 150 and 151	
B. Cell Structure and Development	(3-4)
Select one from the following list: BIOL 140, 141, 155, 156	
C. Cellular/Molecular Physiology of Organisms/Organ Systems.....	(3-4)
Select one from the following list: BIOL 123, 131, 157, 160, 165, 166	
D. Molecular/Cellular Techniques	(2-4)
Select one from the following list: BIOL 152, 153, 157L, 178	
<i>Note: A minimum of two laboratory experiences from B, C, and D are required.</i>	
E. Seminar	(1)
BIOL 181	
F. Choose one additional course from above or any upper-division biology course, including independent study or research	(0-4)
Additional requirements	37
1. CHEM 1A-B, 128A-B, 129A, 150 or 155	(21)
2. PHYS 2A-B	(8)
3. MATH 70 or 75	(4)
4. MATH 101 or PSYCH 42.....	(4)
General Education requirements.....	51
Electives and remaining degree requirements	1
<i>(See Degree Requirements); may be used toward a double major or minor.</i>	
Total	120*

* See Advising Note 1.



	<i>Units</i>
Major requirements	40
<i>Biology Core</i>	<i>(22)</i>
<i>Option requirements</i>	<i>(18)</i>
A. Select one course from each of these three lines	(10-13)
1. <i>Anatomy</i> : BIOL 120, 130, 140, 141, 142, 143, 144	
2. <i>Molecular and Cellular Biology</i> : BIOL 131, 155, 156, 157 and 157L;	
3. <i>Organismal Physiology</i> : BIOL 160, 161, 162 and 162L	
B. Select two additional courses from the following list or from other courses listed in category A.....	(5-8)
BIOL 64 or 65, 121, 150, 163, 164, 165, 166, 167	
Additional requirements	29-38
1. CHEM 3A or 1A-B, 8 or 128A-B, 129A, 150 or 155	(13-21)
2. PHYS 2A-B	(8)
3. MATH 70 or 75	(4)
4. MATH 101 or PSYCH 42	(4)
General Education requirements	51
Electives and remaining degree requirements	0.9
<i>(See Degree Requirements); may be used toward a double major or minor.</i>	
Total	120*

* See Advising Note 1.

Advising Notes for All Options within the Bachelor of Science in Biology

1. The total of 120 units assumes biology majors in this option will maximize the 9 units of General Education requirements that also may be applied to major and additional required courses as follows: 3 units of CHEM 3A (Ecology, Evolutionary, and Organismal Biology Option) or CHEM 1A (Molecular, Cellular, and Developmental Biology Option and Physiology and Anatomy Option) in G.E. Breadth B1; 3 units of BIOL 1A in G.E. Breadth B2; and 3 units of MATH 75 in G.E. Foundation B4. Consult your major academic adviser for details.
2. B.S. biology majors who have taken introductory sequences other than BIOL 1A and 1B must consult with their faculty