

**CALIFORNIA STATE UNIVERSITY, STANISLAUS  
DEPARTMENT OF BIOLOGICAL SCIENCES**

**SAMPLE PROGRAM  
FOR THE B.S. DEGREE IN THE BIOLOGICAL SCIENCES**

FALL SEMESTER

WINTER TERM

SPRING SEMESTER

**Freshman Year**

BIOL 1050.....4  
<sup>a</sup>MATH or G.E.  
 Electives.....8  
 Total Units 12

G.E. Elective.....3

BIOL 1150 .....4  
<sup>b</sup>CHEM 1100.....5  
 MATH or G.E.  
 Electives.....3-4  
 Total Units 12-13

**Sophomore Year**

Biol. Electives.....3-4  
<sup>c</sup>Calculus or Statistics ... 4-5  
 CHEM 1110.....5  
 Total units 12-14

G.E. Elective....3

<sup>d</sup>CHEM 3010, 3012.....4  
 G.E. Electives.....6  
 Biol. Electives..... 3-4  
<sup>e</sup>BIOL 4960.....1  
 Total Units 14-15

**Junior Year**

Zool./Ento. or  
 Botany/Microbio.....4-5  
 BIOL 3310.....3  
 PHYS 2100 or 2250.....5  
 G.E. Elective.....3  
 Total Units 15-16

G.E. Elective.....3

Zool./Ento. or  
 Botany/Microbio.....4-5  
 G.E. Elective.....3  
 PHYS 2110 or 2260 .....5  
 BIOL 3350.....3  
 Total Units 15-16

**Senior Year**

Physiology or Ecology.....4  
 Biol. Electives.....3-4  
 G.E. Elective.....3  
 Advanced Genetics.....2  
 Total Units 12-13

Biol. Electives...2-4

Ecology or Physiology.....4  
 Biol. Electives.....3-4  
 G.E. Electives.....6  
 Total Units 13-14

**NOTE: Refer to the current university catalog for General Education (G.E.) and Math requirements.**

<sup>a</sup> It is highly recommended that students complete their 'area A' general education requirements their first year

<sup>b</sup> Students are advised to delay taking this course until completion of Math 1070 (College Algebra) or equivalent

<sup>c</sup> Many professional schools require a full year of calculus.

<sup>d</sup>Organic Chemistry I is required for all biology majors. Organic Chemistry II is not required but highly recommended, especially for pre-professional students, as well as students interested in fields such as genetics, cell biology, or microbiology.

<sup>e</sup>BIOL 4960 is not required but highly recommended. This class may be repeated for no more than 2 elective units.

(Rev. 08/09)

