

# B.S. Biology (Organismal Biology Track)

Catalog Year 2020 - 2021

NAME \_\_\_\_\_ SID \_\_\_\_\_ Date \_\_\_\_\_

## GENERAL EDUCATION COURSES:

### **Freshman Composition** (*Complete one sequence.*)

ENGL 101 (3) \_\_\_\_\_ ENGL 102 (3) \_\_\_\_\_ *or*  
 (ENGL 106) \_\_\_\_\_

ENGL 107 (3) \_\_\_\_\_ ENGL 108 (3) \_\_\_\_\_ *or*  
 ENGL 109H (3) \_\_\_\_\_

### **Foundation Mathematics** (*Placement may require coursework in addition to foundation requirement.*)

MATH 122 A + B (5) *or* MATH 125 (3)  
*or* MATH 119A (4) \_\_\_\_\_

### **Second Language** (*Second Semester Proficiency*)

## TIER ONE COURSES:

### **Individuals and Societies 150** (*6 units*)

### **Traditions and Cultures 160** (*6 units*)

## TIER TWO COURSES:

### **Arts** (*3 units*)

### **Humanities** (*3 units*)

### **Individuals and Societies** (*3 units*)

**Diversity Emphasis Requirement:** (*One course must meet this requirement. It can be double-dipped.*)

**Note:** Courses offered only in the fall, spring, or summer semesters are labeled with F, S, or SS.

## FOUNDATION COURSES (30 units):

### **General Chemistry**

CHEM 151 (4) \_\_\_\_\_ CHEM 152 (4) \_\_\_\_\_ *or*  
 CHEM 141 & 143 (4) \_\_\_\_\_ CHEM 142 & 144 (4) \_\_\_\_\_

### **Organic Chemistry**

CHEM 241A & 243A (4) \_\_\_\_\_ CHEM 241B & 243B (4) \_\_\_\_\_

### **Lower Division Biology** (*Choose one.*)

ECOL 206 Environmental Bio  
 ECOL 220 Evolutionary Medicine (F; SS)  
 ECOL 223 Human Genetics & Evol (S)  
 ECOL 230 Natural History of the SW (S)  
 ECOL 249 Evolution (F)  
 ECOL 250 How Science Works (S)

### **Physics**

PHYS 102 & 181 (4) *or* PHYS 141 (4) \_\_\_\_\_  
 PHYS 103 & 182 (4) *or* PHYS 241 (4) \_\_\_\_\_

### **Mathematics**

MATH 129 (3) *or* MATH 263 (3) *or* ECOL 379 (3; S) \_\_\_\_\_

## CORE REQUIREMENTS (23 units):

### **Introductory Biology**

MCB 181R & L (4) \_\_\_\_\_ ECOL 182R & L (4) \_\_\_\_\_

### **Ecology**

ECOL 302 (4; F) \_\_\_\_\_

### **Genetics**

ECOL 320 (4; SS; F) \_\_\_\_\_

### **Evolutionary Biology**

ECOL 335 (4; S) \_\_\_\_\_

### **Biochemistry**

BIOC 384 (3) \_\_\_\_\_

## MAJOR ELECTIVES (26 units): (*Elective courses may only count towards one category below.*)

Physiology (3): \_\_\_\_\_

Genetics (3): \_\_\_\_\_

MCB (6): \_\_\_\_\_

Organismal Biology (8): \_\_\_\_\_

EEB (6): \_\_\_\_\_

## ADDITIONAL ELECTIVE REQUIREMENTS:

Lab Component Course: \_\_\_\_\_

Writing Emphasis Course: \_\_\_\_\_

### University Requirements

120 total units _____	42 upper division units _____
2.00+ Cum GPA _____	2.00+ Major GPA _____
56+ university units _____	18/30 UA major units _____
30 UA units _____	MCWA

## Academic Plan for B.S. in Biology (Organismal Biology Sub-Plan)

### Semester 1

CHEM 151 <i>or</i> 141 + 143 MATH 122A+B <i>or</i> MATH 125 <i>or</i>	4
MATH 119A	3 – 5
ENGL 101	3
Tier 1	3 – 6
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Total	13 – 18

### Semester 2

CHEM 152 <i>or</i> 142 + 144	4
ECOL 182R + ECOL 182L	4
MATH 129 <i>or</i> MATH 263 <i>or</i>	
ECOL 379	3
ENGL 102	3
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Total	14

### Semester 3

CHEM 241A + CHEM 243A	4
MCB 181R + MCB 181L 200- Level ECOL (or Tier 1)	4
Second Language	3
Second Language	4 – 5
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Total	15 – 16

### Semester 4

CHEM 241B + CHEM 243B	4
Tier 1 (or 200-Level ECOL)	3
Second Language	4 – 5
Organismal Elective	4
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Total	15 – 16

### Semester 5

ECOL 320	4
Organismal Elective	4
MCB Elective	3
BIOC 384	3
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Total	14

### Semester 6

ECOL 335	4
Physiology Elective	3
Tier 1	3 – 6
Genetics Elective	3
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Total	13 – 16

### Semester 7

ECOL 302	4
PHYS 102 + PHYS 181	4
MCB Elective	3
EEB Elective	3
Tier 2	3
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Total	17

### Semester 8

PHYS 103 + PHYS 182	4
Tier 2	6
EEB Elective	3
General Electives	3
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Total	16

Total units required: 120

Upper division units required: 42

Please note that this checklist indicates BIOLBS: Organismal Biology requirements. Additional coursework not listed on this page is required in order to graduate.