

# B.S. Ecology & Evolutionary Biology

Catalog Year 2019-2020

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

## GENERAL EDUCATION COURSES:

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

ENGL 101 (3) \_\_\_\_\_ ENGL 102 (3) \_\_\_\_\_ or  
 (ENGL 106\*) \_\_\_\_\_  
 ENGL 107 (3) \_\_\_\_\_ ENGL 108 (3) \_\_\_\_\_ or  
 ENGL 109H (3) \_\_\_\_\_ MCWA \_\_\_\_\_

### **ii. Mathematics: Satisfied by math foundation courses.**

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

\_\_\_\_\_

## TIER ONE COURSES:

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

\_\_\_\_\_

\_\_\_\_\_

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

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\_\_\_\_\_

## TIER TWO COURSES:

### **i. Arts** (*3 units*)

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### **ii. Humanities** (*3 units*)

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

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### **iv. Diversity Emphasis Requirement:** *One course must meet this requirement. It can be double-dipped with any Tier One or Tier Two course.*

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

*\*Some students may be required to take ENGL 106 prior to taking ENGL 107. If not, ENGL 107 and ENGL 108 will complete foundation composition requirements.*

*\*\*At least one major course must have a lab component. At least one major course must be writing emphasis. At least one major course must have a field component.*

## FOUNDATION COURSES (36-38 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) \_\_\_\_\_

### **Mathematics**

MATH 122A/B (5) or 125 (3) \_\_\_\_\_  
 MATH 129 (3) or MATH 263 (3) or ECOL 379 (S; 3) \_\_\_\_\_

### **Physics**

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

### **Lower Division Biology**

ECOL 206 or ECOL 220 or ECOL 223 or  
 ECOL 230 (S) or ECOL 249 (F) or ECOL 280 (F) (3) \_\_\_\_\_

### **Additional Physical Science** (3) \_\_\_\_\_

## CORE REQUIREMENTS (20 units):

### **Introductory Biology**

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

### **Ecology**

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

### **Genetics**

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

### **Evolutionary Biology**

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

**MAJOR ELECTIVES (26 units):** Elective courses must be upper division and may only count towards one category below.

Genetics or Cell/Molecular Biology (3): \_\_\_\_\_

Biology of Organisms (8): \_\_\_\_\_

Ecology, Evolution & Behavior (12): \_\_\_\_\_

\_\_\_\_\_

Independent Study, Capstone, or Internship (3): \_\_\_\_\_

## **ADDITIONAL ELECTIVE REQUIREMENTS:\*\***

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

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

Field Component Course: \_\_\_\_\_

# Academic Plan for a B.S. in Ecology and Evolutionary Biology

SEMESTER 1	Units
CHEM 151 or 141 + 143	4
MATH 122A/B or 125	5 - 3
ENGL 101	3
Tier 1	3
<b>TOTALS</b>	<b>13 - 15</b>

SEMESTER 2	Units
CHEM 152 or 142 + 144	4
ECOL 182R + 182L	4
MATH 129 or 263 or ECOL 379	3
ENGL 102	3
<b>TOTALS</b>	<b>14</b>

SEMESTER 3	Units
CHEM 241A + 243A	4
MCB 181R + 181L	4
200-Level ECOL (or Tier 1)	3
Second Language	4-5
<b>TOTALS</b>	<b>15 - 16</b>

SEMESTER 4	Units
CHEM 241B + 243B	4
Tier 1 (or 200-Level ECOL)	3
Second Language	4-5
UD Organismal Elective	4
<b>TOTALS</b>	<b>15 - 16</b>

SEMESTER 5	Units
ECOL 320	4
UD Organismal Elective	4
UD EEB Elective	3
Tier 1	3
<b>TOTALS</b>	<b>14</b>

SEMESTER 6	Units
ECOL 335	4
Additional Physical Science	3
UD EEB Elective	3
Tier 1	3
Tier 2	3
<b>TOTALS</b>	<b>16</b>

SEMESTER 7	Units
ECOL 302	4
PHYS 102 + 181	4
UD EEB Elective	3
Tier 2	3
<b>TOTALS</b>	<b>14</b>

SEMESTER 8	Units
PHYS 103 + 182	4
UD EEB Elective	3
UD Genetics/Cell Bio Elective	3
Independent Study/Capstone	3
<b>TOTALS</b>	<b>13</b>

**TOTAL UNITS NEEDED: 120 UPPER DIVISION UNITS NEEDED: 42**

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