

B.S. Ecology & Evolutionary Biology

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) _____

Mathematics
 MATH 129 (3) *or* MATH 263 (3) *or* ECOL 379 (3; S) _____

Physics
 PHYS 102 & 181 (4) *or* PHYS 141 (4) _____
 PHYS 103 & 182 (4) *or* PHYS 241 (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)

Additional Physical Science (3) _____

CORE REQUIREMENTS (23 units):

Introductory Biology
 MCB 181R & L (4) _____ ECOL 182R & L (4) _____

Ecology _____ **Genetics** _____
 ECOL 302 (4; F) _____ ECOL 320 (4; SS; F) _____

Evolutionary Biology
 ECOL 335 (4; S) _____

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

Genetics *or* MCB (3): _____

Organismal (8): _____

EEB (12): _____

Independent study/research (3): _____

ADDITIONAL ELECTIVE REQUIREMENTS:

Lab Component Course: _____

Field 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 Ecology & Evolutionary Biology

Semester 1		Semester 2	
CHEM 151 <i>or</i> 141 + 143	4	CHEM 152 <i>or</i> 142 + 144	4
MATH 122A+B <i>or</i> MATH 125 <i>or</i> MATH 119A	3 – 5	ECOL 182R + ECOL 182L	4
ENGL 101	3	MATH 129 <i>or</i> MATH 263 <i>or</i>	
Tier 1	3 – 6	ECOL 379	3
		<u>ENGL 102</u>	3
<u>Total</u>	<u>13 – 18</u>	<u>Total</u>	<u>14</u>
Semester 3		Semester 4	
CHEM 241A + CHEM 243A	4	CHEM 241B + CHEM 243B	4
MCB 181R + MCB 181L	4	Tier 1 (or 200-Level ECOL)	3
200-Level ECOL (or Tier 1)	3	Second Language	4 – 5
Second Language	4 – 5	<u>Organismal Elective</u>	4
<u>Total</u>	<u>15 – 16</u>	<u>Total</u>	<u>15 – 16</u>
Semester 5		Semester 6	
ECOL 320	4	ECOL 335	4
Organismal Elective	4	EEB Elective	3
Genetics or MCB Elective	3	Tier 1	3 – 6
EEB Elective	3	<u>Tier 2</u>	3
<u>Total</u>	<u>14</u>	<u>Total</u>	<u>13 – 16</u>
Semester 7		Semester 8	
ECOL 302	4	PHYS 103 + PHYS 182	4
PHYS 102 + PHYS 181	4	Tier 2	3
EEB Elective	3	Independent Study/Research	3
Organismal Elective	3	<u>EEB Elective</u>	3
<u>Tier 2</u>	3	<u>Total</u>	<u>13</u>
<u>Total</u>	<u>17</u>		

Total units required: 120

Upper division units required: 42

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