DEGREE WORKSHEET FOR:

BS Biological Sciences: Ecology and Evolutionary Biology Emphasis

2018-2019 Catalog

Degree Requirements – 120 credits

YEAR 1- FALL (15 credits)		YEAR 1- SPRING (15-16 credits)	
ENG 122 College Composition (LAC Area 1a)	3 credits	BIO 111 Survey of Organismal Biology (F,S)	4 credits
BIO 110 Principles of Biology (LAC Area 6) (F,S)	4 credits	CHEM 112/112L Principles of Chemistry II (F,S)	4/1credits
CHEM 111/111L Principles of Chemistry I (LAC Area 6) (F,S)	4/1 credits	SCI 291 Scientific Writing (LAC Area 1b) (F,S)	3 credits
Liberal Arts Core[1] (Areas 3, 4, 5, 7, or 8)	3 credits	Liberal Arts Core[1] (Areas 3, 4, 5, 7, or 8) **OR**	3 credits
		MATH 171 Calc I for Life Sciences (LAC Area 2) (F,S)	4 credits
YEAR 2- FALL (14-15 credits)		**YEAR 2-SPRING (14-16 credits)**	
BIO 210 Cell Biology (F,S)	3 credits	BIO 220 Genetics (F,S)	4 credits
BIO 360 Ecology (F,S,Su) **OR**		University Wide electives **OR**	
BIO 300+ Upper Division Elective in Major[3]	4 credits	Chem 231 Principles of Organic Chem[2] (S)	3 credits
CHEM 331/331L Organic Chemistry I[2] (F) **OR**		BIO 360 Ecology (F,S,Su) or BIO 300+ Upper Division	
University Wide Electives	4 credits	Elective in Major[3]	4 credits
STAT 150 Intro to Statistical Analysis (LAC Area 2)	3 credits	Liberal Arts Core[1] (Areas 3, 4, 5, 7, or 8) **OR**	3 credits
		MATH 171 Calc I for Life Sciences (LAC Area 2) (F,S)	4 credits
YEAR 3- FALL (12-17 credits)		**YEAR 3- SPRING (13-17 credits)**	
BIO 351 Microbiology (F,S) or Supporting Course in Major[8]	3-4 credits	BIO 351 Microbiology (F,S) or Supporting Course in Major[8]	3-4 credits
PHYS 220 Intro Physics I[4] (LAC Area 6) (F, Su)	5 credits	Supporting Course in Major[7]	3- 5credit
Plant[5] or Animal[6] Organismal Biology	3-4 credits	Plant[5] or Animal[6] Organismal Biology	3-4 credits
Physiology[7] or Liberal Arts Core[1] (Areas 3, 4, 5, 7, or 8)	3credits	Physiology[7] or Liberal Arts Core[1] (Areas 3, 4, 5, 7, or 8)	3 credits
YEAR 4- FALL (12-18 credits)		**YEAR 4- SPRING (12-17 credits)**	
Supporting Course in Major[8]	3-4 credits	Liberal Arts Core	3 credits
BIO 465 Evolution (F,S, Su)	3 credits	BIO 300+ Upper Division Elective in Major[3]	5-10 credits
BIO 300+ Upper Division Elective in Major[3]	3-8 credits	University Elective	3 credits
Liberal Arts Core[1] (Areas 3, 4, 5, 7, or 8)	3 credits	Capstone Professional Experience[9]	1 credit
		School of Biological Sciences Exit Exam[10]	

(F) = offered in Fall (S) =offered in Spring (SU) = offered in summer

Admission Requirement – No separate admission requirement.

Minor Required – No Minor required.

Notes – see page 2.

Contact Information – School of Biological Sciences

Ross Hall Room 2480, (970) 351-2921

School Web Page: http://www.unco.edu/nhs/biology

BS Biological Sciences-Ecology and Evolutionary Biology (cont.)

This worksheet is a recommended schedule to complete your bachelor's degree in 4 years. Every UNC student must meet the following requirements in order to graduate with a bachelor's degree: earn a minimum of 120 semester credit hours; possess a minimum of a 2.00 cumulative grade point average; have at least 40 credit hours in courses designated as Liberal Arts Core and meet all degree requirements in the student's major field of study. Each major and/or emphasis may have additional requirements necessary for graduation. **Students must consult with their major advisor to receive information on any additional graduation requirements.**

Notes

1 [1]Liberal Arts Core courses can be taken any semester. It is strongly suggested that they be evenly distributed over the entire 4 years of study rather than concentrated in the first 2 years. **NOTE: Be certain to select courses from Areas 7 and 8 that also count for Areas 3, 4 or 5.**

2 [2]Either CHEM 331/331L or CHEM 231 can be taken. If the CHEM 231 option is taken, the number of Elective Major credits required will be increased by 2.

3 [3]Elective Major Courses- Must take enough BIO courses level 300 or higher to reach 71 required major credits.

4 [4]Either PHYS 220 or PHYS 240 can be taken. PHYS 240 can be substituted but both MATH 131 and MATH 132 are required. Students wishing to take 2 semesters of Physics may take PHYS 221 or PHYS 241 as Supporting Course in Biology

5 [5]Students will choose one of the following Plant Organismal Courses (3-4 credits): BIO 329, BIO 330, BIO 337, BIO 440.

6 [6]Students will choose one of the following Animal Organismal Biology Courses (3-4 credits): BIO 331, BIO 333, BIO 334, BIO 335, BIO 345, BIO 362, BIO 438, BIO 466.

7 [7]Students may take one (4) credit physiology course or two (3) credit physiology courses. Options: BIO 350, BIO 354, BIO 450 **AND** 466, or BIO 552 **AND** 553. If BIO 450/466 or BIO 552/553 option are taken, the number of Elective Major credits required will be reduced by 2.

8 [8]Students will choose three of the following supporting courses, at least one must have a lab (10-13 credits): ANT 332, ANT 335, ANT 430, ENST, 205, ENST 265, ENST 315 **OR** GEOG 315, ENST 321, ENST 335 **OR** ECON 335, ENST 345 **OR** GEOG 345, ENST 440 **OR** GEOG 440, GEOG 210, GEOG 220, GEOG 307, GEOG 391, GEOG 445, GEOG 449, GEOL 201, GEOL 202, GEOL 340, GEOL 445, MET 205, MET 336, MET 452, OCN 301, OCN 302, PHYS 221

9 [9]Capstone Professional Experience requirement can be met by completing a minimum of 1 credit hour from the following course options: BIO 422, BIO 492, 493 or BIO 494.

10 [10]All Biology Majors must take the School of Biological Sciences Exit Exam during the last Semester of Senior Year. (Excluding summer). **Make an appointment at Testing Center.**

11 All Biology Majors are required to have a minimum of a 2.0 GPA in all BIO prefix courses taken to meet their major requirements.

12 Students receiving "D" or "F" in BIO courses taken to meet their major requirements must repeat the courses.

13 Some Upper Division Biology courses are offered every other year. Check with your advisor to find out when they are offered. Graduate level courses may be taken by undergraduates with a 3.0 or higher GPA. These courses can substitute for undergraduate degree requirements with the approval of your advisor.

14 Remember to get a graduation check in Carter Hall (Room 3002) after 90 semester hours.

15 A maximum of 3 credits total of BIO 422, 492, 493, 494, can count toward the Biological Advanced study category.