



**DEGREE WORKSHEET FOR:
BS Biological Sciences, Ecology and Evolutionary
Biology Emphasis (NFS-BIOTA)
2011-2012 Catalog
Degree Requirements – 120 credits**

YEAR 1- FALL (14 credits)		YEAR 1- SPRING (14 credits)	
BIO 102 Success in Biology I ⁵	1 credit	BIO 103 Success in Biology II ⁵	1 credit
BIO 110 Principles of Biology (LAC Area 6) (F,S)	4 credits	BIO 111 Survey of Organismal Biology (F,S)	4 credits
BIO 112 Principles of Biology Applications ⁵ (F,S)	1 credit	BIO 114 Applications of Organismal Biology ⁵ (F,S)	1 credit
CHEM 111 Principles of Chemistry I (LAC Area 6) (F,S)	5 credits	SCI 291 Scientific Writing (LAC Area 1b) (F,S)	3 credits
ENG 122 College Composition (LAC Area 1a)	3 credits	CHEM 112 Principles of Chemistry II (F,S)	5 credits
YEAR 2- FALL (14-16 credits)		YEAR 2-SPRING (16 credits)	
BIO 210 Cell Biology (F, S)	3 credits	BIO 220 Genetics (F,S)	4 credits
BIO 211 Cell Biology Applications ⁵ (F,S)	1 credit	BIO 221 Genetics Applications ⁵ (F,S)	1 credit
STAT 150 Intro to Statistical Analysis (LAC Area 2)	3 credits	MATH 171 Calc I for Life Sciences (LAC Area 2) (F,S)	4 credits
CHEM 331 Organic Chemistry I or CHEM 231 Prin. of Organic Chemistry ⁷ (F)	3-5 credits	University Wide Electives	4 credits
Liberal Arts Core ¹ (Areas 3, 4, 5, 7, or 8)	4 credits	Liberal Arts Core ¹ (Areas 3, 4, 5, 7, or 8)	3 credits
YEAR 3- FALL (12 - 16 credits)		YEAR 3- SPRING (13-17 credits)	
BIO 360 Ecology (F, Su)	4 credits	BIO 351 Microbiology (S)	4 credits
PHYS 220 General Physics I ² (LAC Area 6) (F)	5 credits	PHYS 221 General Physics II ² (S)	5 credits
ENST 265 Conservation of Natural Resources	3 credits	BIO>300 Upper Division Elective in Biology ⁴	4 credits
Physiology ⁵	0-4credits	Physiology ⁵	0-4 credits
YEAR 4- FALL (15 credits)		YEAR 4- SPRING (16 credits)	
BIO 330 Plant Systematics (F)	4 credits	GEOL 201 or MET 205 or OCN 302 ⁶	4 credits
BIO>300 Upper Division Elective in Biology ⁴	4 credits	BIO 465 Evolution (S, Su)	3 credits
Liberal Arts Core ¹ (Areas 3, 4, 5, 7, or 8)	6 credits	BIO>300 Upper Division Elective in Biology ⁴	4 credits
Capstone Professional Experience ⁸	1 credit	University Elective	5 credits
		School of Biological Sciences Exit Exam ⁹	

(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>

Biology-Ecology and Evolutionary Biology (NSF-BIOTA) 11-12
4-12-11

BS Biological Sciences-Ecology and Evolutionary Biology (NSF-BIOTA) (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 ¹Liberal 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 ²Either PHYS 220/221 or PHYS 240/241 can be taken. PHYS 240/241 can be substituted but both MATH 131 and MATH 132 are required.
- 3 ³Bio 102, 103, 112, 114, 211 and 221 will count as Biological Science Advanced Study category
- 4 ⁴Elective Major Courses - Must take at least 18 credits from BIO courses at 300 level or higher.
- 5 ⁵Either BIO 350 Human Physiology or BIO 354 Plant Physiology or BIO 552 and BIO 553 are required. If BIO 552 and 553 are taken, 2 of the credits apply towards the Biological Science Advanced Study category.
- 6 ⁶Earth Science choices are either GEOL 201 Physical Geology or MET 205 General Meteorology (Liberal Arts Core *Area* 6) or OCN 302.
- 7 ⁷If CHEM 231 is completed in lieu of CHEM 331, the number of BIO Advanced Study credits required will be increased by 2 credits.
- 8 ⁸Capstone Professional Experience requirement can be met by completing a minimum of 1 credit hour from the following course options: BIO 422, BIO 492, BIO 494
- 9 ⁹All 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.**
- 10 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.
- 11 Students receiving "D" or "F" in BIO courses taken to meet their major requirements must repeat the courses.
- 12 Some Upper Division Biology courses are offered every other year. Check with your advisor to find out when they are offered.
- 13 Remember to get a graduation check in Carter Hall (Room 3002) after 90 semester hours.
- 14 A maximum of 6 credits total of BIO 422, 492, 494, 495, 585, and 592 can count toward the Biological Advanced study category.