



**DEGREE WORKSHEET FOR:**  
**BS Biological Sciences: Ecology and Evolutionary**  
**Biology Emphasis**  
**2017-2018 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 110 Principles of Biology (LAC Area 6) (F,S) 4 credits CHEM 111/111L Principles of Chemistry I (LAC Area 6) (F,S) 4/1 credits Liberal Arts Core <sup>1</sup> (Areas 3, 4, 5, 7, or 8) 3 credits	BIO 111 Survey of Organismal Biology (F,S) 4 credits CHEM 112/112L Principles of Chemistry II (F,S) 4/1credits SCI 291 Scientific Writing (LAC Area 1b) (F,S) 3 credits Liberal Arts Core <sup>1</sup> (Areas 3, 4, 5, 7, or 8) <b>OR</b> 3 credits MATH 171 Calc I for Life Sciences (LAC Area 2) (F,S) 4 credits
YEAR 2- FALL (13-15 credits)	YEAR 2-SPRING (15-16 credits)
BIO 210 Cell Biology (F,S) 3 credits STAT 150 Intro to Statistical Analysis (LAC Area 2) 3 credits CHEM 331/331L Organic Chemistry I (F) <b>or</b> CHEM 231 Prin. of Organic Chemistry <sup>8</sup> (S) 3-5 credits BIO 360 Ecology (F, Su) 4 credits	BIO 220 Genetics (F,S) 4 credits University Wide electives 4 credits BIO 300 Upper Division Elective in Major <sup>3</sup> 4 credits Liberal Arts Core <sup>1</sup> (Areas 3, 4, 5, 7, or 8) <b>OR</b> 3 credits MATH 171 Calc I for Life Sciences (LAC Area 2) (F,S) 4 credits
YEAR 3- FALL (12-16 credits)	YEAR 3- SPRING (12-16 credits)
Liberal Arts Core <sup>1</sup> (Areas 3, 4, 5, 7, or 8) 4 credits PHYS 220 General Physics I <sup>2</sup> (LAC Area 6) (F, Su) 5 credits ENST 265 Conservation of Natural Resources (F) 3 credits Physiology <sup>4</sup> 0-4 credits	BIO 351 Microbiology (S) 4 credits PHYS 221 General Physics II <sup>2</sup> (S, Su) 5 credits BIO 300+ Upper Division Elective in Major <sup>3</sup> 3 credits Physiology <sup>4</sup> 0-4 credits
YEAR 4- FALL (16 credits)	YEAR 4- SPRING (15 credits)
BIO 330 Plant Systematics (F) 4 credits BIO 300+ Upper Division Elective in Major <sup>3</sup> 4 credits BIO 300+ Upper Division Elective in Major <sup>3</sup> 3 credits Liberal Arts Core <sup>1</sup> (Areas 3, 4, 5, 7, or 8) 5 credits	GEOL 201 <b>or</b> MET 205 <b>or</b> OCN 302 <sup>5</sup> 4 credits BIO 465 Evolution (S, Su) 3 credits BIO 300+ Upper Division Elective in Major <sup>3</sup> 4 credits University Elective 3 credits Capstone Professional Experience <sup>6</sup> 1 credit School of Biological Sciences Exit Exam <sup>7</sup>

(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 <sup>1</sup>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 <sup>2</sup>Either 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 <sup>3</sup>Elective Major Courses- Must take 18 + credits from BIO courses level 300 or higher.
- 4 <sup>4</sup>Option 1: BIO 350 Human Physiology (4 credits) **or** BIO 354 Plant Physiology (4 credits). Option 2 BIO 552 (3 credits) **and** BIO 553 (3 credits).
- 5 <sup>5</sup>Earth Science choices are either GEOL 201 Physical Geology or MET 205 General Meteorology (Liberal Arts Core *Area* 6) or OCN 302.
- 6 <sup>6</sup>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.
- 7 <sup>7</sup>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.**
- 8 <sup>8</sup>If CHEM 231 is completed in lieu of CHEM 331, the number of BIO Advanced Study credits required will be increased by 2 credits.
- 9 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.
- 10 Students receiving "D" or "F" in BIO courses taken to meet their major requirements must repeat the courses.
- 11 Some Upper Division Biology courses are offered every other year. Check with your advisor to find out when they are offered.
- 12 Remember to get a graduation check in Carter Hall (Room 3002) after 90 semester hours.
- 13 A maximum of 3 credits total of BIO 422, 492, 493, 494, 495, 585, and 592 can count toward the Biological Advanced study category.