



DEGREE WORKSHEET FOR:

BS Biological Sciences: Secondary Science Teaching Emphasis

2018-2019 Catalog

Degree Requirements – 124 credits

YEAR 1- FALL (15 credits)	YEAR 1- SPRING (17 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) 4/1credits Liberal Arts Core ¹ 3 credits	BIO 111 Survey of Organismal Biology (F,S) 4 credits CHEM 281/281L Fundamentals of Biochem (LAC Area 6) (S) 3/1credits SCI 291 Scientific Writing (LAC Area 1b) (F,S) 3 credits STAT 150 Into to Statistical Analysis (LAC Area 2) (F,S) 3 credits Liberal Arts Core ¹ 3 credits
YEAR 2- FALL (15 credits)	YEAR 2-SPRING (16 credits)
BIO 210 Cell Biology (F,S, Su) 3 credits STEP 161 Observation/Analysis Sec. Teaching ² 2 credits EDF 366 Conceptions of Schooling ² 3 credits Liberal Arts Core ¹ 3 credits Environmental Studies or Science electives ⁴ 4 credits	BIO 220 Genetics (F,S) or BIO 350 Human Phys (S) 4 credits GEOL 201 Physical Geology 4 credits EDSE 360 Exceptional Learner ² 3 credits PSY 349 Educational Psychology ² 3 credits STEP 262 Observation/Analysis in Sec Teaching II ² 2 credits
YEAR 3- FALL (16 credits)	YEAR 3- SPRING (16 credits)
AST 100 or MET 205 or OCN 302 4 credits BIO 354 Plant Phys ³ (F) or BIO 220 Genetics (F,S) 4 credits PHYS 220 Intro Physics I (LAC Area 6) (F) 5 credits Liberal Arts Core ¹ 3 credits	BIO 351 Microbiology (F,S) 4 credits BIO 465 Evolution (F,S, Su) 3 credits PHYS 221 Intro Physics II (S) 5 credits SCED 440 Strategies in Teaching Secondary Sciences 1 credit Liberal Arts Core ¹ 3 credits
YEAR 4- FALL (15 credits)	YEAR 4- SPRING (14 credits)
STEP 363 Clinical Experience: Secondary ² 2 credits EDRD 340 Literacy in Content Area ² 3 credits ET 449 Educational Technology Applications ² 3 credits SCED 441 Methods of Teaching Sec Science ² (F) 3 credits BIO 360 Ecology (F, Su) 4 credits School of Biological Sciences Exit Exam ⁵	STEP 464 Secondary Student Teaching ⁷ 14 credits

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

Admission Requirement – See Professional Teacher Education Program (PTEP) section in current catalog for additional admission requirements.

Minor Required – No Minor Required.

See notes page 2

Contact Information – School of Biological Sciences, Department of Biological Sciences

Ross Hall 2480, 970.351.2921

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

BS Biological-Secondary Teaching (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; 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

- ¹Remaining LAC credits = 18 credits. Students need to select courses from LAC areas 7 and 8 that also count for areas 3, 4, or 5. For the Liberal Arts Core Electives, it is strongly recommended that ENST 100, Introduction to Environmental Science is taken. For Liberal Arts Core Area 5, it is strongly recommended that GEOG 100, GEOG 110, or GEOG 200 be taken for category 5b.
- ²Courses in *italics* are required Secondary PTEP courses.
- ³Either BIO 350 Human Physiology or BIO 354 Plant Physiology are required. BIO 350 is normally a spring only course and BIO 354 is fall only.
- ⁴For the Environmental Studies or Science electives, choose any additional 4 credits of the Sciences or Environmental Studies courses. Discuss selection with your advisor.
- ⁶All Biology Majors must take the School of Biological Sciences Exit Exam during the last Semester (on campus) of Senior Year.
- ⁷Prior to student teaching, students must pass the Praxis Science Examination.
- 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.
- Students receiving "D" or "F" in BIO courses taken to meet their major requirements must repeat the courses.
- To get full admission in PTEP, you need to demonstrate competence in written English ("B" or better in LAC area 1a or 1b)
- Students in Secondary Teaching Emphasis must maintain a 2.5 GPA in their major (this includes required BIO and other supporting courses)
- Remember to get a graduation check in Carter Hall (Room 3002) after 90 semester hours.
- A maximum of 6 credits total of BIO 422, 492, 493, 494, 495, 585, and 592 can count toward the Biological Advanced study category.