DEGREE WORKSHEET FOR:

BS Biological Sciences: Secondary Science Teaching Emphasis

2017-2018 Catalog

Degree Requirements – 125 credits

YEAR 1- FALL (15 credits)		YEAR 1- SPRING (17 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 281/281L Fundamentals of Biochem (LAC Area 6) (S)	3/1credits
CHEM 111/111L Principles of Chemistry I (LAC Area 6) (F,S)	4/1credits	SCI 291 Scientific Writing (LAC Area 1b) (F,S)	3 credits
Liberal Arts Core[1]	3 credits	STAT 150 Into to Statistical Analysis (LAC Area 2) (F,S)	3 credits
		EDFE 110 Initial PTEP Application[5]	0 credits
		Liberal Arts Core[1]	3 credits
YEAR 2- FALL (15 credits)		**YEAR 2-SPRING (16 credits)**	
BIO 210 Cell Biology (F,S)	3 credits	BIO 220 Genetics (F,S) or BIO 350 Human Phys (S)	4 credits
STEP 161 Observation/Analysis Sec. Teaching[2]	2 credits	GEOL 201 Physical Geology	4 credits
EDF 366 Conceptions of Schooling[2]	3 credits	*EDSE 360 Exceptional Learner*[2]	3 credits
Liberal Arts Core[1]	3 credits	*PSY 349 Educational Psychology*[2]	3 credits
Environmental Studies or Science electives[4]	4 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 351 Microbiology (S)	4 credits
BIO 354 Plant Phys[3] (F) or BIO 220 Genetics (F,S)	4 credits	BIO 465 Evolution (S, Su)	3 credits
PHYS 220 General Physics I (LAC Area 6) (F)	5 credits	PHYS 221 General Physics II (S)	5 credits
Liberal Arts Core[1]	3 credits	SCED 440 Strategies in Teaching Secondary Sciences	1 credit
		Liberal Arts Core[1]	3 credits
		EDFE 120 Full Admission to PTEP Application[5]	0 credits
YEAR 4- FALL (15 credits)		**YEAR 4- SPRING (14 credits)**	
STEP 363 Clinical Experience: Secondary[2]	2 credits	STEP 464 Secondary Student Teaching[7]	14 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		
EDFE 130 Student Teaching Application[9]	0 credits		
School of Biological Sciences Exit Exam[6]			

(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

1. [1]Remaining 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.
2. [2]Courses in *italics* are required Secondary PTEP courses.
3. [3]Either 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.
4. [4]For the Environmental Studies or Science electives, choose any additional 4 credits of the Sciences or Environmental Studies courses. Discuss selection with your advisor.
5. [5]PTEP Checkpoint courses are zero-credit, pass-fail courses that are used for the PTEP application and student teaching application. EDFE 110 must be taken the semester before STEP 161; EDFE 120 must be taken the semester before STEP 363; and EDFE 130 must be taken the semester before STEP 464.
6. [6]All Biology Majors must take the School of Biological Sciences Exit Exam during the last Semester (on campus) of Senior Year.
7. [7]Prior to student teaching, students must pass the Praxis Science Examination.
8. 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.
9. Students receiving "D" or "F" in BIO courses taken to meet their major requirements must repeat the courses.
10. To get full admission in PTEP, you need to demonstrate competence in written English ("B" or better in LAC area 1a or 1b)
11. Students in Secondary Teaching Emphasis must maintain a 2.5 GPA in their major (this includes required BIO and other supporting courses)
12. Remember to get a graduation check in Carter Hall (Room 3002) after 90 semester hours.
13. A maximum of 6 credits total of BIO 422, 492, 493, 494, 495, 585, and 592 can count toward the Biological Advanced study category.