



DEGREE WORKSHEET FOR:

BS Biological Sciences: Secondary Science Teaching Emphasis

2019-2020 Catalog

Degree Requirements – 124 credits

YEAR 1- FALL (15 credits)		YEAR 1- SPRING (16 credits)	
ENG 122 College Composition (LAC 1a) (F,S)	3	SCI 291 Scientific Writing (LAC 1b) (F,S)	3
BIO 110 Principles of Biology (LAC6) (F,S)	4	BIO 111 Survey of Organismal Biology (F,S)	4
CHEM 111/111L Principles of Chem I (LAC6) (F,S)	5	CHEM 281/281L Fundamentals of Biochem (LAC6) (S)	4
Liberal Arts Core ¹ (3, 4, 5, 7, or 8)	3	STAT 150 Intro to Statistical Analysis (LAC2) (F,S)	3
		Liberal Arts Core ¹ (3, 4, 5, 7, or 8)	3
		Application to Initial Admission to PTEP ⁷	
YEAR 2- FALL (15 credits)		YEAR 2-SPRING (16 credits)	
BIO 210 Cell Biology (F,S)	3	BIO 220 Genetics (F,S) or BIO 350 Human Phys ³ (S)	4
<i>STEP 161 Observation/Analysis Sec. Teaching²</i>	2	GEOL 201 Physical Geology	4
<i>EDF 366 Conceptions of Schooling²</i>	3	<i>EDSE 360 Exceptional Learner²</i>	3
Liberal Arts Core ¹ (3, 4, 5, 7, or 8)	3	<i>PSY 349 Educational Psychology²</i>	3
Environmental Studies or Science electives ⁴	4	<i>STEP 262 Observation/Analysis in Sec Teaching II²</i>	2
YEAR 3- FALL (16 credits)		YEAR 3- SPRING (16 credits)	
AST 100 or MET 205 or OCN 302	4	BIO 351 Microbiology (F,S)	4
BIO 354 Plant Phys ³ (F) or BIO 220 Genetics (F,S)	4	BIO 465 Evolution (F,S)	3
PHYS 220 Intro Physics I (LAC6) (F)	5	PHYS 221 Intro Physics II (S)	5
Liberal Arts Core ¹ (3, 4, 5, 7, or 8)	3	SCED 440 Strategies in Teaching Secondary Sciences	1
		Liberal Arts Core ¹ (3, 4, 5, 7, or 8)	3
		Praxis Exam ⁵ / Application to Full Admission to PTEP ⁷	
YEAR 4- FALL (15 credits)		YEAR 4- SPRING (14 credits)	
<i>STEP 363 Clinical Experience: Secondary²</i>	2	STEP 464 Secondary Student Teaching ⁶	14
<i>EDRD 340 Literacy in Content Area²</i>	3		
<i>ET 449 Educational Technology Applications²</i>	3		
<i>SCED 441 Methods of Teaching Sec Science² (F)</i>	3		
BIO 360 Ecology (F)	4		
Application to Student Teaching ⁸			

(F) = offered in Fall (S) = offered in Spring Check the Schedule of Classes for summer course offerings

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

- 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.**
- 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 4 credits of the Sciences or Environmental Studies courses, in communication with your advisor.
- ⁵Prior to student teaching, students must pass the Praxis Science Examination (#5435) with a score > 152.
- ⁶Must complete Application for Initial Admission to PTEP in the beginning of the semester prior to STEP 161.
- ⁷Must complete Application for Full Admission to PTEP in the beginning of the semester prior to STEP 363.
- ⁸Must complete Application for Student Teaching in the beginning of the semester prior to STEP 464.
- Students receiving "D" or "F" in BIO courses taken to meet their major requirements must repeat the courses.
- Students in Secondary Teaching Emphasis must maintain a 2.5 GPA in their major (this includes required BIO and other supporting courses) and must maintain an overall GPA of 2.5 or better.
- Monitor your progress and requirements using DegreeWorks each semester
- Remember to get a graduation check after completing 90 semester hours.