

Community College of Aurora/UNC Transfer Guide*

BS Biological Sciences: Secondary Science Teaching Emphasis

2020-2021 Catalog

Degree Requirements – 124 credits

*Guide for students transferring to the University of Northern Colorado for the purpose of completing a bachelor's degree. Courses marked as (***bold**) are UNC equivalent courses (if applicable) upon transfer to UNC. UNC Liberal Arts Core (LAC) is waived with completion of AA/AS degree (if an AA/AS degree is not completed, additional liberal arts courses may be required). This guide is based on degree and Colorado general education requirements from the above catalog term. **This plan is a recommended schedule and not reflective of every student's individual academic context. Students should consult with their advisor for course sequence guidance.**

COMMUNITY COLLEGE OF AURORA– 65 Credits			
YEAR 1 – FALL: 16 credits		YEAR 1 – SPRING: 16 credits	
BIO 111 Gen College Biol I w/Lab BIO 110 Biology: Atoms to Cells	5	BIO 112 Gen College Biol II w/Lab BIO 111 Biology: Organisms to Ecosystems	5
CHE 111 Gen College Chem I w/Lab CHEM 111/111L Principles of Chemistry I	5	Elective University Wide Elective	5
ENG 121 English Composition I ENG 122 College Composition	3	ENG 122 English Composition II ENG 123 Research Paper (sub for SCI 291)	3
Arts/Humanities/Thinking/Language Arts/Humanities/Thinking/Language	3	Behavior/Social Behavior/Social	3
YEAR 2 – FALL: 18 credits		YEAR 2 – SPRING: 15 credits	
PHY 111 Phys: Alg-Based I w/Lab PHYS 220 Intro to Physics I	5	PHY 112 Phys: Alg-Based II w/Lab PHYS 221 Intro to Physics II	5
AST 101 Astronomy AST 100 The Sky and Planets	4	BIO 204 Microbiology w/Lab BIO 351 Microbiology	4
History History	3	Arts/Humanities/Thinking/Language Arts/Humanities/Thinking/Language	3
MAT 135 Intro to Statistics STAT 150 Intro To Stats (sub for STAT 250)	3	Behavior/Social Behavior/Social	3
Environmental Studies or Science Elective ¹ Environmental Studies or Science Elective ¹	3	*Take in Summer: CHEM 281+L Biochemistry ⁸	
UNIVERSITY OF NORTHERN COLORADO – *65 Credits			
YEAR 3 – FALL: 16 credits		YEAR 3 – SPRING: 17 credits	
STEP 161 Observation/Analysis Sec. Teaching ^{2,3}	2	STEP 262 Observation/Analysis in Sec Teaching II ³	2
EDF 366 Concepts of Schooling ³	3	EDSE 360 Exceptional Learner ³	3
BIO 210 Cell Biology	3	PSY 349 Educational Psychology ³	3
BIO 360 Ecology or BIO 354 Plant Physiology ⁴	4	BIO 220 Genetics	4
GEOL 201 Physical Geology	4	BIO 350 Human Physiology ⁴ or BIO 360 Ecology	4
YEAR 4 – FALL: 14 credits		SCED 440 Strategies in Teaching Sec Sciences	1
STEP 363 Clinical Experience Secondary ³	2	Praxis Exam ⁵ / Application to Full PTEP ⁶	-
EDRD 340 Literacy in Content Area ³	3	See next page for Year 4 Spring	

YEAR 4 – FALL (continued)		YEAR 4 – SPRING: 14 credits	
<i>ET 499 Educational Technology Applications</i> ³	3	STEP 464 Secondary Student Teaching ⁷	14
<i>SCED 441 Methods of Teaching Sec Science</i> ³	3		
BIO 465 Evolution	3		

This four-year plan 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; 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.**

Program Admission Requirements –

No separate admission requirement

Minor Required –

No Minor required.

Contact Information –

School of Biological Sciences

Ross Hall, Room 2480, (970)351-2921

<http://www.unco.edu/nhs/biology>

Notes –

- 1.) For the Environmental Studies and Science Electives, choose 4 credits of the Sciences or Environmental Studies courses, in communication with your advisor.
- 2.) Must complete Application for initial admission to PTEP in the beginning of the semester prior to STEP 161.
- 3.) Courses in italics are required Secondary PTEP courses.
- 4.) Either BIO 350 Human Physiology or BIO 354 Plant Physiology are required. BIO 350 is normally a spring course and BIO 354 is fall only.
- 5.) Prior to student teaching, student must pass the Praxis Science Examination (#5435) with a score > 152.
- 6.) Must complete Application for Full Admission to PTEP in the beginning of the semester prior to STEP 363.
- 7.) Must complete Application for Student Teaching in the beginning of the semester prior to STEP 464.
- 8.) In order to stay on track, it is recommended to take **CHEM 281 + CHEM 281L Fundamentals of Biochemistry** lecture and lab (4 credits) in the **summer before starting at UNC.**