

Community College of Aurora/UNC Transfer Guide*

BS Biological Sciences: Cellular & Molecular Emphasis

2020-2021 Catalog

Degree Requirements – 120 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 – 66 Credits			
YEAR 1 – FALL: 16 credits		YEAR 1 – SPRING: 18 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	CHE 112 Gen College Chem II w/Lab CHEM 112/112L Principles of Chemistry II	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 Arts/Humanities	3	MAT 201 Calculus I MATH 131 Calculus I (sub for MATH 171)	5
YEAR 2 – FALL: 16 credits		YEAR 2 – SPRING: 16 credits	
CHE 211 Organic Chemistry I w/Lab CHEM 331/331L Organic Chemistry I	5	CHE 212 Organic Chemistry II w/Lab CHEM 332/332L Organic Chemistry II	5
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
Arts/Humanities Arts/Humanities	3	History History	3
Behavior/Social Behavior/Social	3	Behavior/Social Behavior/Social	3
UNIVERSITY OF NORTHERN COLORADO – 55 Credits			
YEAR 3 – FALL: 14 credits		YEAR 3 – SPRING: 15 credits	
BIO 210 Cell Biology	3	BIO 220 Genetics	4
STAT 250 Statistics for Life Sciences	3	BIO 351 Microbiology	4
Advanced Biology Elective ¹	4	Advanced Biology Elective ¹	3
CHEM381+L Biochem or CHEM481+L Biochem I ²	4	CHEM 482+L Biochem II ² or Advance Bio Elective ¹	4
YEAR 4 – FALL: 13 credits		YEAR 4 – SPRING: 13 credits	
BIO 425 Molecular Genetics	3	BIO 465 Evolution	3
BIO 450 Cell Physiology	3	BIO 442 Molecular and Cellular Laboratory	2

YEAR 4 – FALL (continued)		YEAR 4 – SPRING (continued)	
Advanced Biology Elective ¹	4	BIO 360 Ecology	4
Advanced Biology Elective ¹	3	Advanced Biology Elective ¹	3
		Capstone	1

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.) Advanced Biology Electives - Must take 11-14 credits from BIO courses level 300 or higher that are not specifically listed as part of the major.

2.) If CHEM 481 is taken, CHEM 482 must also be taken for the major, If CHEM 381 is taken, the number of Advanced Biology Elective Credits required will be higher.