



Colorado Community College to UNC Transfer Guide*
Biology A.S. / Biological Sciences B.S. - Cell and Molecular Biology
Concentration
2024-2025 Catalog
Degree Requirements – 120 Credits

*Guide for students

transferring to the University of Northern Colorado from a Colorado community college for the purpose of completing a bachelor's degree. Courses marked as **(*bold)** are UNC equivalent courses (if applicable) upon transfer. UNC Liberal Arts Curriculum (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 UNC degree and Colorado general education requirements from the above catalog term.

This four-year plan is a **recommended schedule** and not reflective of every student's individual academic context. Some requirements may vary by college. Some degrees have Statewide Transfer Articulation Agreements in place; please see <https://cdhe.colorado.gov/transfer-degrees> for details. This guide is for planning purposes only. Students should consult with their academic advisor for course sequence guidance.

COMMUNITY COLLEGE – 60 Credits			
YEAR 1 – FALL: 15 credits		YEAR 1 – SPRING: 16 credits	
ENG 1021 English Composition I (GT-CO1) *ENG 122 College Composition	3 credits	ENG 1022 English Composition II (GT-CO2) *ENG 123 College Research Paper (Sub for SCI 291)	3 credits
CHE 1111 Gen College Biology I w/Lab (GT-SC1) *CHEM 111/111L Principles of Chemistry I	5 credits	BIO 1112 Gen College Biology II w/Lab (GT-SC1) *BIO 111 Biology: Organisms to Ecosystems	4 credits
BIO 1111 General Biology I w/Lab (GT-SC1) *BIO 110 Biology: Atoms to Cells	4 credits	CHE 1112 Gen College Chemistry II w/Lab *CHEM 112/112L Principles of Chemistry II	5 credits
Arts & Humanities (GT-AH*)	3 credits	MAT 2410 Calculus I (GT-MA1) *MATH 131 Calculus I (Sub for MATH 171)	4 credits
YEAR 2 – FALL: 16 credits		YEAR 2 – SPRING: 16 credits	
CHE 2111 Organic Chemistry I w/Lab *CHEM 331/331L Organic Chemistry I	5 credits	CHE 2112 Organic Chemistry II w/Lab *CHEM 332/332L Organic Chemistry II	5 credits
PHY 1111 Physics: Algebra-based I w/Lab (GT-SC1) *PHYS 220 Intro to Physics I	5 credits	PHY 1112 Physics: Algebra-based II w/Lab (GT-SC1) *PHYS 221 Intro to Physics II	5 credits
Arts & Humanities (GT-AH*)	3 credits	History (GT-HI1)	3 credits
Social & Behavioral Sciences (GT-SS*)	3 credits	Social & Behavioral Sciences (GT-SS*)	3 credits
UNIVERSITY OF NORTHERN COLORADO – 60 Credits			
YEAR 3 – FALL: 14-16 credits		YEAR 3 – SPRING: 15 credits	
BIO 210 Cell Biology	3 credits	BIO 220 Genetics	4 credits
STAT 250 Statistics for Life Sciences	3 credits	BIO 351 Microbiology	4 credits
CHEM 381 w/Lab or CHEM 481 w/Lab	4-6 credits	CHEM 482 w/Lab or Advanced Bio Elective	4 credits
Advanced Bio Elective 300 level or higher	3 credits	Advanced Bio Elective 300 level or higher	3 credits
BIO 102 Success in Biology I	1 credit		
YEAR 4 – FALL: 13 credits		YEAR 4 – SPRING: 13 credits	
BIO 425 Molecular Genetics	3 credits	BIO 465 Evolution	3 credits
BIO 450 Cell Physiology	3 credits	BIO 442 Molecular and Cellular Laboratory	2 credits
Advanced Bio Elective 300 level or higher	4 credits	BIO 360 Ecology	4 credits
Advanced Bio Elective 300 level or higher	3 credits	Advanced Bio Elective 300 level or higher	3 credits

	Capstone	1 credit
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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 concentration may have additional requirements necessary for graduation. Students must consult with their major advisor to receive information on any additional graduation requirements. View the [UNC Undergraduate Catalog](#) for current degree requirements.

Contact Information –

Department: School of Biological Sciences

Website: www.unco.edu/nhs/biology

Phone: 970-351-2921

Email:

Program Admission Requirements –

Academic Good Standing.

For information about admission to the University of Northern Colorado, please visit <https://www.unco.edu/admissions/>.

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