



Aims2UNC Curriculum Map*
**Biology A.S. / Biological Sciences B.S. - Cell and
 Molecular Biology Concentration**
 2024-2025 Catalog
 Degree Requirements – 120 Credits

*Curriculum Map for students transitioning from Aims Community College to the University of Northern Colorado for the purpose of completing a bachelor's degree. An AA/AS degree from Aims will result in a waiver of UNC's Liberal Arts Curriculum (general education) and the transfer of at least 60 credits depending on course grades from Aims. Courses with grades below a C- will not transfer to UNC, which could result in a transfer of fewer than 60 credits. Please note that course offerings are subject to availability and Curriculum Maps are subject to change. Please see Aims2UNC advisor for appropriate sequence of Aims courses and further information.

AIMS COMMUNITY COLLEGE – 65 Credits

YEAR 1 – FALL: 16 credits		YEAR 1 – SPRING: 17 credits	
ENG 1021 English Composition I (GT-CO1) (UNC Equivalent: *ENG 122 College Composition)	3 credits	ENG 1022 English Composition II (GT-CO2) (UNC Equivalent: *ENG 123 College Research Paper-Sub for SCI 291)	3 credits
CHE 1111 Gen College Biology I w/Lab (GT-SC1) (UNC Equivalent: *CHEM 111/111L Principles of Chemistry I)	5 credits	BIO 1112 Gen College Biology II w/Lab (GT-SC1) (UNC Equivalent: *BIO 111 Biology: Organisms to Ecosystems)	5 credits
BIO 1111 General Biology I w/Lab (GT-SC1) (UNC Equivalent: *BIO 110 Biology: Atoms to Cells)	5 credits	CHE 1112 Gen College Chemistry II w/Lab (UNC Equivalent: *CHEM 112/112L Principles of Chemistry II)	5 credits
Arts & Humanities (GT-AH*)	3 credits	MAT 2410 Calculus I (GT-MA1) (UNC Equivalent: *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 (UNC Equivalent: *CHEM 331/331L Organic Chemistry I)	5 credits	CHE 2112 Organic Chemistry II w/Lab (UNC Equivalent: *CHEM 332/332L Organic Chemistry II)	5 credits
PHY 1111 Physics: Algebra-based I w/Lab (GT-SC1) (UNC Equivalent: *PHYS 220 Intro to Physics I)	5 credits	PHY 1112 Physics: Algebra-based II w/Lab (GT-SC1) (UNC Equivalent: *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 – 55-57 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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**For a full listing of approved Guaranteed Transfer (GT) courses in these categories please refer to the [current catalog](#).

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/>.

Notes –

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 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.