



Colorado Community College to UNC Transfer Guide*
Mathematics A.S. / Mathematics B.S. – Statistics & Data Science
 2022-2023 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: 15 credits	
ENG 1021 English Composition I (GT-CO1) or ENG 1022 English Composition II (GT-CO2) *ENG 122 College Composition or ENG 123 College Research Paper	3 credits	ENG 1022 English Composition II (GT-CO2) or approved GT-CO3 course *ENG 123 College Research Paper	3 credits
MAT 2410 Calculus I (GT-MA1) *MATH 131 Calculus I	5 credits	MAT 2420 Calculus II (GT-MA1) *MATH 132 Calculus II	5 credits
CSC 1060 Computer Science I *CS 1XX (Substitute for CS 120)	4 credits	Arts & Humanities (GT-AH*)	3 credits
COM 1150 Public Speaking or COM 1250 Interpersonal Communications (GT-SS3) *COMM 100 Basics of Public Speaking or COMM 220 Interpersonal Communication	3 credits	Elective	4 credits
YEAR 2 – FALL: 15 credits		YEAR 2 – SPRING: 15 credits	
MAT 2430 Calculus III (GT-MA1) *MATH 233 Calculus III	4 credits	PHY 2112 Calculus-Based Physics II (GT-SC1) *PHYS 241 General Physics II	5 credits
PHY 2111 Calculus-Based Physics (GT-SC1) *PHYS 240 General Physics I	5 credits	Arts & Humanities (GT-AH*)	3 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
		Elective	1 credit
UNIVERSITY OF NORTHERN COLORADO – 60 Credits			
YEAR 3 – FALL: 15 credits		YEAR 3 – SPRING: 15 credits	
MATH 102 Success in Math.**	1 credit	MATH 221 Elementary Linear Algebra	3 credits
MATH 228 Discrete Mathematics	3 credits	MATH 351 Elem Stats Theory or STAT 411 Fund of Data Science*	3 credits
MATH 350 Elem Probability Theory	4 credits	Major Electives	3 credits
MATH 495 for 3 and/or Electives***	4 credits	Electives	6 credits
STAT 451 Int. Applied Statistics	3 credits		
YEAR 4 – FALL: 15 credits		YEAR 4 – SPRING: 15 credits	
CS 160 Structured Programming	3 credits	MATH 351 Elem Stats Theory or STAT 411 Fund of Data Science*	3 credits
MATH 335 Differential Equations	3 credits	Major Electives	6 credits
MATH 495 Topics in Math***	3 credits	Electives	6 credits

Major Electives	3 credits		
Electives	3 credits		

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 Mathematical Sciences

Website: <https://www.unco.edu/nhs/mathematical-sciences/>

Phone: 970-351-2820

Program Admission Requirements –

Academic Good Standing.

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

Notes –

* MATH 351 is only offered in Even Spring semesters; STAT 411 is only offered in Odd Spring semesters.

** MATH 102 is a recommended elective.

*** MATH 495 is only offered in Odd Fall semesters.