



Aims2UNC Curriculum Map*
**Geology A.S. / Earth Sciences B.S. – Environmental
 Earth Sciences 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 – 62 Credits			
YEAR 1 – FALL: 15 credits		YEAR 1 – SPRING: 15 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)	3 credits
GEY 1111 Physical Geology with Lab (GT-SC1) (UNC Equivalent: *GEOL 100 General Geology)	4 credits	GEY 1112 Historical Geology with Lab (GT-SCI) (UNC Equivalent: *GEOL 202 Historical Geology)	4 credits
CHE 1111 Gen College Chem I with Lab (GT-SC1) (UNC Equivalent: *CHEM 111/111L Principles of Chemistry I)	5 credits	CHE 1112 Gen College Chem II with Lab (GT-SCI) (UNC Equivalent: *CHEM 112/112L Principles of Chemistry II)	5 credits
Social & Behavioral Sciences (GT-SS*)	3 credits	Social & Behavioral Sciences (GT-SS*)	3 credits
YEAR 2 – FALL: 16 credits		YEAR 2 – SPRING: 16 credits	
MAT 2410 Calculus I (GT-MA1) (UNC Equivalent: *MATH 131 Calculus I)	5 credits	GIS 1001 Introduction to GIS (UNC Equivalent: *GEOG 210 Intro to GIS and GPS)	3 credits
PHY 2111 (GT-SC1) (UNC Equivalent: *PHYS 220 or 240)	5 credits	PHY 2112 (GT-SC1) (UNC Equivalent: *PHYS 221 or PHYS 241)	5 credits
Arts & Humanities (GT-AH*)	3 credits	Arts & Humanities (GT-AH*)	3 credits
History (GT-HI1)	3 credits	MAT 2420 Calculus II (GT-MA1) (UNC Equivalent: *MATH 132 Calculus II)	5 credits
UNIVERSITY OF NORTHERN COLORADO – 58 Credits			
YEAR 3 – FALL: 16 credits		YEAR 3 – SPRING: 12 credits	
MET 205 General Meteorology	4 credits	ESCI 330 Earth Science Statistical Analysis	3 credits
ESCI 320 Earth Materials	4 credits	SCI 291 Scientific Writing	3 credits
ESCI 474 Principles of Surface and Groundwater Hydrology	4 credits	ESCI 200 Introduction to Environmental Earth Science	3 credits
ESCI 349 Earth Science Professional Seminar	3 credits	ESCI 490 Colloquium in Earth Sciences	1 credit
ESCI 490 Colloquium in Earth Sciences	1 credit	University Wide Elective	2 credits
YEAR 4 – FALL: 16 credits		YEAR 4 – SPRING: 14 credits	
GEOL 483 Soils	3 credits	MET 452 Paleoclimatology	3 credits
OCN 302 Geological and Biological Oceanography	4 credits	ESCI 420 Chemistry of the Earth System	4 credits
ESCI 472 Industrial Safety	3 credits	GEOL 460 Geomorphology	4 credits
Upper Division Major Elective	6 credits	Field Course	3 credits

**For a full listing of approved Guaranteed Transfer (GT) courses in these categories please refer to the [current catalog](#).

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: Department of Earth and Atmospheric Sciences

Website: www.unco.edu/nhs/earth-atmospheric-sciences/

Phone: 970-351-2647

Program Admission Requirements –

Academic Good Standing.

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

Notes –

- GEOL 100 General Geology will be substituted for GEOL 201 Physical Geology.
- PHYS 240 General Physics I will be substituted for PHYS 220 Introductory Physics I.
- PHYS 241 General Physics II will be substituted for PHYS 221 Introductory Physics II.
- MAT 201 at Aims has a prerequisite of MAT 121 and MAT 122 with a grade of C or better, or assessment. If the student does not score high enough on the assessment, they should take MAT 121 and MAT 122 during their first year.
- Some of the major courses at UNC are offered every other year, so the courses taken in years 3 and 4 depend on whether a student enters UNC in an even or odd year. Consultation with a UNC advisor is necessary in determining the year 3, fall semester schedule.