

Lake Superior State University—Articulation Agreement

North Central Michigan College

Transfer Major: Bachelor of Science-Geology, Environmental Geology Concentration

Contacts:	Academic Advising North Central Michigan College advising@ncmich.edu NCMC Admissions 888/298.6605	Valid:	Fall 2025-2028
	Heidi Rife, LSSU Regional Centers Director Lake Superior State University 906/217.4123 or hrife@lssu.edu LSSU Admissions 888/800.5778 x:2231		

NCMC Courses			LSSU Equivalency			Additional LSSU Courses		
Michigan Transfer Agreement (MTA)			STUDENTS EARN MTA AT NCMC					
ENG111	English Composition I	3	ENGL110	First-Year Composition I	3			
XXXxxx	Comm Elective	3	XXXXxxx	Communication Elective	3			
MATH130	College Algebra	4	MATH111	College Algebra	3+1			
CEM121	Principles of Chemistry	5	CHEM115	General Chemistry I	5			
PHY210	General Physics I	5	PHYS221	Principles of Physics I	4+1			
XXXXxxx	Social Science	6	XXXXxxx	Social & Behavioral Science	6			
XXXXxxx	Humanities	6	XXXXxxx	Humanities	6			
REQUIREMENTS			REQUIREMENTS			REQUIREMENTS		
CEM121	(From above MTA)		CHEM115	(From above MTA)		GEOL122	Earth History	4
CEM122	Principles of Chemistry II	5	CHEM116	General Chemistry II	5	GEOL223	Mineralogy & Petrology	4
ESC121	Physical Geology	4	GEOL121	Physical Geology	4	GEOL308	Structural Geology Systems	4
GIS110	Intro to Geog Info Systems I	3	EVRN131	Intro to GIS	3	GEOL315	Geoenvironmental Systems	4
MATH130	(From above MTA)		MATH111	(From above MTA)		GEOL322	Geochemical Systems	4
MATH150	Analytic Geo & Calc I	5	MATH151	Calculus I	4+1	GEOL334	Hydrologic Systems	4
	or LSSU's MATH112			or MATH112 Calc for Bus & Life Sci		GEOL380	Intro to Field Geology	3
STAT200	Statistics	3	MATH207	Princ of Statistical Methods	3	GEOL431	Geophysical Systems	4
	or LSSU's MATH308, BUSN211, or BIOL280			or MATH308 or BUSN211 or BIOL280		GEOL440	Technology in Geology	2
PHY210	(From above MTA)		PHYS221	(From above MTA)		GEOL450	Geology Seminar I	1
	or PHY230 Physics for Scientists & Eng I			or PHYS231 Applied Physics I		GEOL451	Geology Seminar II	1
						GEOL480	Advanced Field Geology	3
DISTRIBUTED ELECTIVES	6		DISTRIBUTED ELECTIVES	6		EVRN199	(Waived for transfer students)	
<i>Min. 6 credits required from NCMC &/or LSSU</i>			<i>Min. 6 credits required from NCMC &/or LSSU</i>			EVRN311	Environmental Law	3
CEM231, CEM232, [ESC150 or GEO111],			CHEM225, CHEM326, GEOG108,			EVRN341	Fate & Transport Env.	4
GIS120, ENVS265, or LSSU's course(s)			EVRN225, POLI342, or LSSU's CHEM208, 231,			EVRN475	Climate: Past & Present	2
or LSSU course(s)			236, 332; ECON307; EVRN211, 315, 317, 325,			NSCI103	Environmental Science	3
			365, 389, 435, 495; FIRE312; GEOL355, 490,			NRES230	Intro to Soil Science	4
			495; MICR205, 315; NSCI116; NRES230				or EVRN211 Field Data Methods	
ELECTIVES	12		ELECTIVES	12				
<i>Elective courses are recommended to be taken at LSSU to maintain a full-time status after transferring.</i>								
Note: Students will earn NCMC’s Associate in Science upon successful completion of the courses listed in blue and an additional communication course. Consult with a NCMC advisor.								
TOTAL NCMC CREDITS			70			LSSU CREDITS		
						54		
						TOTAL CREDITS		
						124		

Consultation with an advisor is recommended.

Steven Johnson

Nov 19, 2025

Dr. Steven Johnson

(Date)

LSSU Dean for the College of Arts & Sciences

Kimberly Muller

11/18/25

Dr. Kimberly Muller

(Date)

LSSU Provost & VP for Academic Affairs

Sara Glasgow

Sara Glasgow (Nov 19, 2025 09:52:26 EST)

Nov 19, 2025

Dr. Sara Glasgow

(Date)

NCMC Dean of Arts & Sciences

Stephen Strom

Dec 2, 2025

Dr. Stephen Strom

(Date)

NCMC VP of Academic Affairs