

Lake Superior State University—Articulation Agreement

North Central Michigan College

Transfer Major: Bachelor of Science-Geology, Artificial Intelligence 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)		CSCI265	Intro to Artificial Intelligence	3
CIS106	Intro to .NET Programming	3	CSCI105	Intro to Computer Programming	3	GEOL122	Earth History	4
CIS115 -and- CIS205 C++ Prog I & II		6	CSCI121	Principles of Programming	4+2	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	GEOL380	Intro to Field Geology	3
GIS120	Intro to Geog Info Systems II	3	EVRN225	Intermediate GIS	3	GEOL431	Geophysical Systems	4
MATH130	(From above MTA)		MATH111	(From above MTA)		GEOL440	Technology in Geology	2
MATH150	Analytic Geo & Calc I	5	MATH151	Calculus I	4+1	GEOL450	Geology Seminar I	1
or LSSU's MATH112			or MATH112 Calc for Bus & Life Sci			GEOL451	Geology Seminar II	1
STAT200	Statistics	3	MATH207	Princ of Statistical Methods	3	GEOL490	Research Topics in Geology	1
or LSSU's MATH308, BUSN211, or BIOL280			or MATH308 or BUSN211 or BIOL280			or GEOL495 Senior Project (1-4 cr)		
PHY210	(From above MTA)		PHYS221	(From above MTA)		Select two of the following		8
or PHY230 Physics for Scientists & Eng I			or PHYS231 Applied Physics I			GEOL315	Geoenvironmental Ssystems	
DISTRIBUTED ELECTIVES	13		DISTRIBUTED ELECTIVES	13		GEOL322	Geochemical Systems	
Min. 13 credits required from NCMC &/or LSSU			Min. 13 credits required from NCMC &/or LSSU			GEOL334	Hydrologic Sys: Sur/Grd Water	
CEM122, CIS215, [PHY211 or PHY231],			CHEM116, CSCI201, PHY211, [PHYS222 or 232],			GEOL355	Stratigraphy & Sedimentation	
or LSSU course(s)			or LSSU's CSCI201, 411;			GEOL468	Tectonic Systems	
			EVRN315, 325, 365, 445, 475, 495;			GEOL480	Advanced Field Geology	
			GEOL315, 322, 334, 355, 468, 480, 490 or 495;			EVRN199	(Waived for transfer students)	
			MICR205, 315			EVRN355	GIS Programming & Appl	4
ELECTIVES	13		ELECTIVES	13				
Elective courses are recommended to be taken at LSSU to maintain a full-time status after transferring.								
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			LSSU CREDITS			Min.		
85						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

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