

# Lake Superior State University—Articulation Agreement

## North Central Michigan College

Transfer Major: Bachelor of Science-Geology

<b>Contacts:</b>	Academic Advising North Central Michigan College advising@ncmich.edu NCMC Admissions 888/298.6605	<b>Valid:</b>	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		
<b>Michigan Transfer Agreement (MTA)</b>			<b>STUDENTS EARN MTA AT NCMC</b>					
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			
<b>REQUIREMENTS</b>			<b>REQUIREMENTS</b>			<b>REQUIREMENTS</b>		
CEM121	(From above MTA)		CHEM115	(From above MTA)		EVRS475	Climate: Past & Present	2
ESC121	Physical Geology	4	GEOL121	Physical Geology	4	GEOL122	Earth History	4
GIS110	Intro to Geog Info Systems I	3	EVRN131	Intro to GIS	3	GEOL223	Mineralogy & Petrology	4
MATH130	(From above MTA)		MATH111	(From above MTA)		GEOL308	Structural Geology Systems	4
MATH150	Analytic Geo & Calc I	5	MATH151	Calculus I	4+1	GEOL315	Geoenvironmental Systems	4
	or LSSU's MATH112			or MATH112 Calc for Bus & Life Sci		GEOL322	Geochemical Systems	4
STAT200	Statistics	3	MATH207	Princ of Statistical Methods	3	GEOL334	Hydrologic Systems	4
	or LSSU's MATH308, BUSN211, or BIOL280			or MATH308 or BUSN211 or BIOL280		GEOL355	Stratigraphy & Sedimention	4
PHY210	(From above MTA)		PHYS221	(From above MTA)		GEOL380	Intro to Field Geology	3
	or PHY230 Physics for Scientists & Eng I			or PHYS231 Applied Physics I		GEOL431	Geophysical Systems	4
Select 1 Course (4-5 cr)		5	Select 1 Course (4-5 cr)		5	GEOL440	Technology in Geology	2
CEM122	Principles of Chemistry II (5 cr)		CHEM116	General Chemistry II (5 cr)		GEOL450	Geology Seminar I	1
PHY211	General Physics II (5 cr)		PHYS222	Principles of Physics II (4+1 cr)		GEOL451	Geology Seminar II	1
PHY231	Physics Scientists & Eng (5 cr)		PHYS232	App Ply Engineer Sci II (4+1 cr)		GEOL468	Tectonic Systems	5
						GEOL480	Advanced Field Geology	3
<b>ELECTIVES</b>		23	<b>ELECTIVES</b>		23	EVRN199	(Waived for transfer students)	
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, an additional communication course, and approved electives to reach 60 credits. Consult with a NCMC advisor.								
<b>TOTAL NCMC CREDITS</b>						<b>LSSU CREDITS</b>		
75						49		
						<b>TOTAL CREDITS</b>		
						Min. 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

Sara Glasgow (Nov 19, 2025 09:51:00 EST)

Dr. Sara Glasgow

(Date)

NCMC Dean of Arts & Sciences

Stephen Strom

Dec 2, 2025

Dr. Stephen Strom

(Date)

NCMC VP of Academic Affairs