

# 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