

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	Heidi Rife, LSSU Regional Centers Director Lake Superior State University 906/217.4123 or hrife@lssu.edu LSSU Admissions 888/800.5778 x:2231	Valid:	Fall 2025-2028
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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	XXXXxx 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				
XXXXxx Social Science	6	XXXXxx Social & Behavioral Science	6				
XXXXxx Humanities	6	XXXXxx 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 or LSSU's MATH112	5	MATH151 Calculus I or MATH112 Calc for Bus & Life Sci	4+1	GEOL450 Geology Seminar I	1		
STAT200 Statistics or LSSU's MATH308, BUSN211, or BIOL280	3	MATH207 Princ of Statistical Methods or MATH308 or BUSN211 or BIOL280	3	GEOL451 Geology Seminar II	1		
PHY210 (From above MTA) or PHY230 Physics for Scientists & Eng I		PHYS221 (From above MTA) or PHYS231 Applied Physics I		GEOL490 Research Topics in Geology or GEOL495 Senior Project (1-4 cr)	1		
DISTRIBUTED ELECTIVES		DISTRIBUTED ELECTIVES		Select two of the following			
Min. 13 credits required from NCMC &/or LSSU CEM122, CIS215, [PHY211 or PHY231], or LSSU course(s)		Min. 13 credits required from NCMC &/or LSSU CHEM116, CSCI201, PHY211, [PHYS222 or 232], or LSSU's CSCI201, 411; EVRN315, 325, 365, 445, 475, 495; GEOL315, 322, 334, 355, 468, 480, 490 or 495; MICR205, 315		GEOL315 Geoenvironmental Ssystems GEOL322 Geochemical Systems GEOL334 Hydrologic Sys: Sur/Grd Water GEOL355 Stratigraphy & Sedimentation GEOL468 Tectonic Systems GEOL480 Advanced Field Geology EVRN199 (Waived for transfer students) EVRN355 GIS Programming & Appl			
ELECTIVES		ELECTIVES		4			
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	85			LSSU CREDITS	39		
				TOTAL CREDITS			
				Min. 124			

Consultation with an advisor is recommended.

Steven Johnson

Dr. Steven Johnson
LSSU Dean for the College of Arts & Sciences

Kimberly Muller
Dr. Kimberly Muller

Dr. Kimberly Muller

Dr. Kimberly Muller (Date)

Sara Glasgow

Dr. Sara Glasgow

Steph Strom
Dr. Stephen Strom

Dr. Stephen Strom
NCMC VP of Academic Affairs