

Lake Superior State University—Articulation Agreement

North Central Michigan College

Transfer Major: Bachelor of Science-Mathematics: Secondary Teaching (5-9)

Contacts:	Academic Advising North Central Community College advising@ncmich.edu NCMC Admissions (888) 298-6605	Valid:	Fall 2025 through Fall 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		<ul style="list-style-type: none"> • Overall min. GPA 2.70 • Teaching courses require min. B- grade, including transfer credits • Admission to Teacher Education required for LSSU's Education courses • Admission to Student Teaching required for TEAC480 & 492 • Certification requires a passing grade on the MTTC 5-9 Exam • Min. 2.70 GPA and min. C grade in Math major courses • Some upper level coursework is only offered on alternating years 	
ENG111 English Comp I 3	ENGL110 First-Year Composition I 3				
Communication Elective 3	Communication Elective 3				
MATH150 Analytical Geo & Cal I 5	MATH151 Calculus I 4+1				
PHY210 General Physics I 5	PHYS221 Principles of Physics I 4+1				
or PHY230 Physics for Scientists & Eng I	or PHYS231 Appl Phys Eng/Scientist I				
Social & Behavior Science 6-7	Social & Behavior Science 6-7				
Humanities 6-7	Humanities 6-7				
Natural Science 4-5	Natural Science 4-5				
<i>Note: Gen ed courses may be selected from STEM & Modeling Cognate options</i>					
SECONDARY MATH MAJOR		SECONDARY MATH MAJOR		SECONDARY MATH MAJOR	
MATH150 (From above MTA)	MATH151 (From above MTA)			MEDU303 Teaching with Technology 3	
MATH210 Analytical Geo & Cal II 5	MATH152 Calculus II 4+1			MEDU403 Secondary Math Instruct Mthds 3	
STAT200 Statistics 3	MATH207 Prin. Statistical Methods 3			MATH215 Fund. Concepts of Math 3	
				MATH321 History of Math 3	
				MATH325 College Geometry 3	
COGNATE		COGNATE		STEM & MODELING COGNATE	
CIS104 Intro to Program Logic* 3	CSCI105 Intro to Comp Prog* 3			Option 3 Data Science: CSCI115 & 265 (6 cr)	
CIS115 C++ Programming I* 4	CSCI121 Princ of Comp Prog* 4				
<i>*Sub/waiver form will be written for NCMC's CIS104 & CIS115 to sub in for CIS105 & CSCI121</i>					
STEM & MODELING COGNATE (12-18 cr)		STEM & MODELING COGNATE (12-18 cr)		PROFESSIONAL EDUCATION SEQ.	
Select 1 option from the following:		Select 2 options from the following:		TEAC221 Special Ed & Partner 3	
Option 1 Biology: BIO151 & 152 (8 cr)		Option 1 Biology: BIOL131 & 132 (8 cr)		TEAC222 Adolescent Development 3	
Option 2 Chemistry: CEM121 & 122 (10 cr)		Option 2 Chemistry: CHEM115 & 116 (10 cr)		TEAC343 3-6 Operations 3	
Option 3 Data Science (LSSU only)		Option 3 Data Science (see 3rd column)		TEAC355 Gen Methods for Adolenc 4	
Option 4 Economics: ECO111 & 112 (6 cr)		Option 4 Economics: ECON201 & 202 (6 cr)		TEAC423 Partner & Classroom Mgmt 3	
Option 5 GIS: GIS110 & 120 (6 cr)		Option 5 GIS: EVRN131 & 225 (6 cr)		TEAC444 3-6 Frac. Dec & Operations 3	
Option 6 Poli Sci: PLS141 & LSSU's POLI234 (8 cr)		Option 6 Poli Sci: POLI110 & 234		TEAC453 3-6 Math & Science Methods 4	
				TEAC480 Directed Teaching Seminar 2	
				TEAC492 Directed Teaching 10	
PROFESSIONAL EDUCATION SEQ.		PROFESSIONAL EDUCATION SEQ.			
ED101 Intro to Education 3	TEAC101 Becoming a Teacher 2+1				
ED201 Diversity, Equity, & Inclusion 3	TEAC120 Diversity 3				
MINOR OR ELECTIVES TO REACH MIN. 124 TOTAL CREDITS				Minor or Electives to reach min. 124 total cr	
Approx. NCMC Credits 66-74				Approx. LSSU Credits 50-58	
				TOTAL CREDITS Min. 124	

Consultation with an advisor is recommended.

Mindy McCready 2/13/2025
Ms. Mindy McCready (Date)
 LSSU Interim Dean of the College of Business, Engineering, Computer Sci & Math

Kimberly Muller 2/14/2025
Dr. Kimberly Muller (Date)
 LSSU Provost & VP of Academic Affairs

Sara Glasgow 2/18/25
Dr. Sara Glasgow (Date)
 NCMC Dean of Arts & Sciences

Stephen Strom 2/18/25
Dr. Stephen Strom (Date)
 NCMC Dean of Liberal Arts