

Lake Superior State University—Articulation Agreement

North Central Michigan College

Transfer Major: Bachelor of Science-Mathematics: Secondary Teaching (7-12)

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			<div>• Overall min. GPA 2.70</div> <div>• Teaching courses require min. B- grade, including transfer credits</div> <div>• Admission to Teacher Education required for LSSU's Education courses</div> <div>• Admission to Student Teaching required for TEAC480 & 492</div> <div>• Certification requires a passing grade on the MTTC 5-9 Exam</div> <div>• Min. 2.70 GPA and min. C grade in Math major courses</div> <div>• Some upper level coursework is only offered on alternating years</div>		
ENG111	English Composition 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			
PHY230	Physics for Scientists & Eng I	5	PHYS231	Appl Phys Eng/Scientist I	4+1			
	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
MATH215	Analytical Geo & Cal III	4	MATH251	Calculus III	4	MATH215	Fund. Concepts of Math	3
MATH225	Differential Equations	3	MATH310	Differential Equations	3	MATH305	Linear Algebra	3
COGNATE			COGNATE			MATH308	Prob & Stats	3
CIS104	Intro to Program Logic*	3	CSCI105	Intro to Comp Prog*	3	MATH309	Applied Stats	3
CIS115	C++ Programming I*	4	CSCI121	Princ of Comp Prog*	4	MATH321	History of Math	3
<i>*Sub/waiver form will be written for NCMC's CIS104 & CIS115 to sub in for CIS105 & CSCI121</i>						MATH325	College Geometry	3
						MATH341	Abstract Algebra I	3
						MATH401	Mathematical Modeling	3
						MATH421	Real Analysis	3
STEM & MODELING COGNATE (6-10 cr)			STEM & MODELING COGNATE (6-10 cr)			STEM & MODELING COGNATE		
Select 1 option from the following:			Select 2 options from the following:			Option 3 Data Science: CSCI115 & 285 (8 cr)		
Option 1 Biology: BIO151 & 152 (8 cr)			Option 1 Biology: BIOL131 & 132 (8 cr)			PROFESSIONAL EDUCATION SEQ.		
Option 2 Chemistry: CEM121 & 122 (10 cr)			Option 2 Chemistry: CHEM115 & 116 (10 cr)			TEAC221	Special Ed & Partner	3
Option 3 Data Science (LSSU only)			Option 3 Data Science (see 3rd column)			TEAC222	Adolescent Development	3
Option 4 Economics: ECO111 & 112 (6 cr)			Option 4 Economics: ECON201 & 202 (8 cr)			TEAC355	Gen Methods for Adolenc	4
Option 5 GIS: GIS110 & 120 (6 cr)			Option 5 GIS: EVRN131 & 225 (6 cr)			TEAC423	Partner & Classroom Mgmt	3
Option 6 Poli Sci: PLS141 & LSSU's POLI234 (8 cr)			Option 6 Poli Sci: POLI110 & 234			TEAC480	Directed Teaching Seminar	2
						TEAC492	Directed Teaching	10
PROFESSIONAL EDUCATION SEQ.			PROFESSIONAL EDUCATION SEQ.			Minor or Electives to reach min. 124 total cr		
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								
Approx. NCMC Credits			Approx. LSSU Credits			Approx. LSSU Credits		
66-74						50-58		
						TOTAL CREDITS		
						Min. 124		

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

Consultation with an advisor is recommended.

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

Stephen Strom 2/18/25
 Dr. Stephen Strom (Date)
 NCMC VP of Academic Affairs & Student Success