

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 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 through Fall 2028
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NCMC Courses	LSSU Equivalency	Additional LSSU Courses																												
<p>Michigan Transfer Agreement (MTA)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">ENG111 English Composition I</td> <td style="width: 33%;">3</td> <td style="width: 34%;">ENGL110 First-Year Composition I</td> <td style="width: 34%;">3</td> </tr> <tr> <td>Communication Elective</td> <td>3</td> <td>Communication Elective</td> <td>3</td> </tr> <tr> <td>MATH150 Analytical Geo & Cal I</td> <td>5</td> <td>MATH151 Calculus I</td> <td>4+1</td> </tr> <tr> <td>PHY230 Physics for Scientists & Eng I</td> <td>5</td> <td>PHYS231 Appl Phys Eng/Scientist I</td> <td>4+1</td> </tr> <tr> <td>Social & Behavior Science</td> <td>6-7</td> <td>Social & Behavior Science</td> <td>6-7</td> </tr> <tr> <td>Humanities</td> <td>6-7</td> <td>Humanities</td> <td>6-7</td> </tr> <tr> <td>Natural Science</td> <td>4-5</td> <td>Natural Science</td> <td>4-5</td> </tr> </table> <p><i>Note: Gen ed courses may be selected from STEM & Modeling Cognate options</i></p>			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
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<p>SECONDARY MATH MAJOR</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">MATH150 (From above MTA)</td> <td style="width: 33%;"></td> <td style="width: 34%;">MATH151 (From above MTA)</td> <td style="width: 34%;"></td> </tr> <tr> <td>MATH210 Analytical Geo & Cal II</td> <td>5</td> <td>MATH152 Calculus II</td> <td>4+1</td> </tr> <tr> <td>MATH215 Analytical Geo & Cal III</td> <td>4</td> <td>MATH251 Calculus III</td> <td>4</td> </tr> <tr> <td>MATH225 Differential Equations</td> <td>3</td> <td>MATH310 Differential Equations</td> <td>3</td> </tr> </table>			MATH150 (From above MTA)		MATH151 (From above MTA)		MATH210 Analytical Geo & Cal II	5	MATH152 Calculus II	4+1	MATH215 Analytical Geo & Cal III	4	MATH251 Calculus III	4	MATH225 Differential Equations	3	MATH310 Differential Equations	3												
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<p>COGNATE</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">CIS104 Intro to Program Logic*</td> <td style="width: 33%;">3</td> <td style="width: 34%;">CSCI105 Intro to Comp Prog*</td> <td style="width: 34%;">3</td> </tr> <tr> <td>CIS115 C++ Programming I*</td> <td>4</td> <td>CSCI121 Princ of Comp Prog*</td> <td>4</td> </tr> </table> <p><i>*Sub/waiver form will be written for NCMC's CIS104 & CIS115 to sub in for CIS105 & CSCI121</i></p>			CIS104 Intro to Program Logic*	3	CSCI105 Intro to Comp Prog*	3	CIS115 C++ Programming I*	4	CSCI121 Princ of Comp Prog*	4																				
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<p>STEM & MODELING COGNATE (6-10 cr)</p> <p>Select 1 option from the following:</p> <ul style="list-style-type: none"> Option 1 Biology: BIO151 & 152 (8 cr) Option 2 Chemistry: CEM121 & 122 (10 cr) Option 3 Data Science (LSSU only) Option 4 Economics: ECO111 & 112 (6 cr) Option 5 GIS: GIS110 & 120 (6 cr) Option 6 Poli Sci: PLS141 & LSSU's POLI234 (8 cr) 																														
<p>PROFESSIONAL EDUCATION SEQ.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">ED101 Intro to Education</td> <td style="width: 33%;">3</td> <td style="width: 34%;">TEAC101 Becoming a Teacher</td> <td style="width: 34%;">2+1</td> </tr> <tr> <td>ED201 Diversity, Equity, & Inclusion</td> <td>3</td> <td>TEAC120 Diversity</td> <td>3</td> </tr> </table>			ED101 Intro to Education	3	TEAC101 Becoming a Teacher	2+1	ED201 Diversity, Equity, & Inclusion	3	TEAC120 Diversity	3																				
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<p>MINOR OR ELECTIVES TO REACH MIN. 124 TOTAL CREDITS</p>																														
Approx. NCMC Credits	66-74	Approx. LSSU Credits	50-58																											
		TOTAL CREDITS	Min. 124																											

<p><i>Mindy McCready</i> 2/13/2025 Ms. Mindy McCready (Date) LSSU Interim Dean of the College of Business, Engineering, Computer Sci & Math</p> <p><i>Kimberly Muller</i> 2/14/2025 Dr. Kimberly Muller (Date) LSSU Provost & VP of Academic Affairs</p>	<p style="text-align: center;"><i>Consultation with an advisor is recommended.</i></p> <p><i>Sara Glasgow</i> 2/18/25 Dr. Sara Glasgow (Date) NCMC Dean of Arts & Sciences</p> <p><i>Stephen Strom</i> 2/18/25 Dr. Stephen Strom (Date) NCMC VP of Academic Affairs & Student Success</p>
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