

Lake Superior State University—Articulation Agreement

North Central Michigan College

Transfer Major: Bachelor of Science-Biochemistry

Contacts:	Academic Advising North Central Michigan College advising@ncmich.edu NCMC Admissions 888/298.6605	Valid:	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		
Michigan Transfer Agreement (MTA)			STUDENTS EARN MTA AT NCMC					
ENG111	English Composition I	3	ENGL110	First-Year Composition I	3			
XXXXxxx	Communication Elective	3	XXXXxxx	Communication Elective	3			
STAT200	Statistics	3	MATH207	Princ of Statistical Method	3			
BIO151	General Biology I	4	BIOL131	General Biology: Cells	4			
CEM121	Principles of Chemistry I	5	CHEM115	General Chemistry I	5			
XXXXxxx	Social Sciences	6	XXXXxxx	Social & Behavioral Science	6			
XXXXxxx	Humanities	6	XXXXxxx	Humanities	6			
REQUIREMENTS			REQUIREMENTS			REQUIREMENTS		
BIO151	(From above MTA)		BIOL131	(From above MTA)		BIOL220	Genetics	4
BIO152	General Biology II	4	BIOL132	General Biology: Organisms	4	CHEM231	Quantitative Analysis	4
BIO226	Microbiology	4	BIOL204	Microbiology	4	CHEM261	Inorganic Chemistry	4
CEM121	(From above MTA)		CHEM115	(From above MTA)		CHEM299	Chemistry Soph Seminar	1
CEM122	Principles of Chemistry II	5	CHEM116	General Chemistry II	5	CHEM332	Instrumental Analysis	4
CEM231	Organic Chemistry	5	CHEM225	Organic Chemistry I	4+1	CHEM351	Intro Biochemistry	4
CEM232	Organic Chemistry II	5	CHEM326	Organic Chemistry II	4+1	CHEM353	Med Chem & Tox	3
MATH150	Analytical Geo & Calc I	5	MATH151	Calculus I	4+1	CHEM361	Physical Chemistry I	4
STAT200	(From above MTA)		MATH207	(From above MTA)		CHEM363	Physical Chemistry Lab	1
2 Semesters of Physics		8	2 Semesters of Physics		8	CHEM452	Adv Biochem Molecular Tech	4
ELECTIVES 14			ELECTIVES 14			CHOOSE RESEARCH OR COURSE OPTION 11		
<i>Electives are recommended to be taken at LSSU to maintain full-time enrollment after transferring.</i>						Research Option		
<p>Note: Students will earn NCMC's AS Concentration in Biology upon successful completion of the courses listed in blue and ENG112. Consult with a NCMC advisor.</p> <p>For American Chemical Society Certification, complete CHEM495 from LSSU. Consult with LSSU's Department Chair for additional requirements.</p>						CHEM395 Junior Seminar (1 cr)		
						CHEM49x Senior Research (2 cr)		
						CHEM499 Senior Seminar (1 cr)		
						BIOL3XX or Higher (7 cr)		
						Course Option		
						BIOL3XX or Higher (11 cr, min. 3 cr of BIOL4XX)		
TOTAL NCMC CREDITS 80						LSSU CREDITS 44		
						TOTAL CREDITS 124		

Consultation with an advisor is recommended.

Steven Johnson

Nov 19, 2025

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

(Date)

Kimberly Muller

Nov 19, 2025

Dr. Kimberly Muller
LSSU Provost & VP for Academic Affairs

(Date)

Sara Glasgow

Sara Glasgow (Dec 3, 2025 09:04:20 EST)

Dec 3, 2025

Dr. Sara Glasgow
NCMC Dean of Arts & Sciences

(Date)

Stephen Strom

Dec 3, 2025

Dr. Stephen Strom
NCMC VP of Academic Affairs

(Date)