## Lake Superior State University—Articulation Agreement **North Central Michigan College** Transfer Major: Bachelor of Science-Biochemistry Academic Advising North Central Michigan College advising@ncmich.edu NCMC Admissions 888/298.6605 Contacts: 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 Additional LSSU Courses** LSSU Equivalency STUDENTS EARN MTA AT NCMC Michigan Transfer Agreement (MTA) ENGL110 First-Year Composition I 3 ENG111 **English Composition I** 3 3 XXXXxxx Communication Elective Communication Elective XXXXxxx 3 3 MATH207 Princ of Statistical Method STAT200 Statistics 4 BIOL131 General Biology: Cells BIO151 General Biology I CHEM115 General Chemistry I 5 CEM121 Principles of Chemistry I Social Sciences XXXXxxx Social & Behavioral Science 6 XXXXxxx XXXXxxx Humanities XXXXxxx Humanities REQUIREMENTS REQUIREMENTS REQUIREMENTS (From above MTA) (From above MTA) BIOL220 BIO151 BIOL131 Genetics Quantitative Analysis BIO152 General Biology II BIOL132 General Biology: Organisms CHEM231 BIO226 Microbiology BIOL204 Microbiology 4 CHEM261 Inorganic Chemistry CEM121 (From above MTA) CHEM115 (From above MTA) CHEM299 Chemistry Soph Seminar CEM122 Principles of Chemistry II CHEM116 General Chemistry II CHEM332 Instrumental Analysis Organic Chemistry I CEM231 Organic Chemistry CHEM225 4+1 CHEM351 Intro Biochemistry CEM232 Organic Chemistry II Organic Chemistry II CHEM353 Med Chem & Tox 3 CHEM326 4+1 MATH150 Analytical Geo & Calc I MATH151 Calculus I 4+1 CHEM361 Physical Chemistry I (From above MTA) CHEM363 Physical Chemistry Lab STAT200 (From above MTA) MATH207 2 Semesters of Physics 2 Semesters of Physics CHEM452 Adv Biochem Molecular Tech **ELECTIVES CHOOSE RESEARCH OR COURSE OPTION** Electives are recommended to be taken at LSSU to maintain full-time enrollment after transferring. Research Option CHEM395 Junior Seminar (1 cr) Note: Students will earn NCMC's AS Concentration in Biology upon successful CHEM49x Senior Research (2 cr) completion of the courses listed in blue and ENG112. Consult with a NCMC advisor. CHEM499 Senior Seminar (1 cr) BIOL3XX or Higher (7 cr) For American Chemical Society Certification, complete CHEM495 from LSSU. Consult Course Option with LSSU's Department Chair for additional requirements. BIOL3XX or Higher (11 cr, min. 3 cr of BIOL4XX) TOTAL NCMC CREDITS 80 LSSU CREDITS 44 Min. **TOTAL CREDITS** Consultation with an advisor is recommended. Steven Johnson Nov 19, 2025 Dec 3, 2025 Dr. Steven Johnson (Date) Dr. Sara Glasgow (Date) LSSU Dean for the College of Arts & Sciences NCMC Dean of Arts & Sciences

Lake Superior State University - Admissions Office 1--888-800-LSSU - www.lssu.edu

Dr. Stephen Strom

NCMC VP of Academic Affairs

Nov 19, 2025

(Date)

Kunberly Muller

LSSU Provost & VP for Academic Affairs

Dec 3, 2025

(Date)