

Articulation Agreement

This Articulation Agreement shall exist between Lake Superior State University (LSSU) in Sault Ste. Marie, Michigan and Northwestern Michigan College (NMC) in Traverse City, Michigan. The purpose of this Agreement shall be to facilitate the transfer of credits from NMC to LSSU leading to a Bachelor of Science Degree in Geology granted by Lake Superior State University. In collaboration with this Agreement, credits taken at LSSU will transfer to NMC to satisfy any qualifying degree or certificate requirements offered by Northwestern Michigan College. Students must complete individual courses with a C (2.0) or better at NMC for a course to transfer to LSSU.

Any student who declares a major in the aforementioned field of study will be allowed to complete the program of study provided they remain enrolled during concurrent academic periods. This Articulation Agreement shall be reviewed by the academic transfer departments/programs at each institution every four (4) years from the date of this agreement. The Head/Chair of the Department/School/Program for each institution shall sign and date the review and renewal of this Articulation Agreement.

The attached document shall outline the required courses and their transfer equivalencies between NMC and LSSU. These course transfer equivalencies shall remain in effect during the duration of this Agreement and any changes shall be approved mutually by both Institutions under the terms of this Articulation. This Articulation Agreement may be terminated by either NMC or LSSU after consultation between both Institutions but at no time during the course of any academic session.

Lake Superior State University—Articulation Agreement

Northwestern Michigan College


Transfer Major: Bachelor of Science Degree: Geology


Contacts:	Jerry Dobek Northwestern Michigan College (231) 995-1271	Valid For: 2019-2023 Continuing with review and renewal every 4 years
	Dennis Merkel Lake Superior State University (906) 635-2152 or Admissions 1-888-800-5778 x2231	

Northwestern Michigan College (ASA)	LSSU Equivalency	LSSU Bachelor of Science Geology – classes at LSSU
ENV 111 Physical Geology 4	GEOL 121 Physical & Hist. Geology I 4	LSSU Courses to Complete Degree GEOL 223 Mineralogy and Petrology 5 GEOL 308 Structural Geology Sys. 5 GEOL 315 Geoenvironmental Sys. 5 GEOL 323 Geochemical Systems 4 GEOL 325 Clastic Systems 4 GEOL 380 Intro. to Field Geology 3 GEOL 411 Hydrologic Systems: Surface and Groundwater 4 GEOL 431 Geophysical Systems 5 GEOL 445 Carbonate Systems 5 GEOL 450 Geology Seminar I 2 GEOL 451 Geology Seminar II 2 GEOL 468 Tectonic Systems 5 GEOL 480 Advanced Field Geology 3 Elective credits so total credits earned at NMC plus LSSU add to at least 124 credits 11 LSSU Elective credits to include: 1) Statistics: e.g., MATH 207 at LSSU if NMC MTH 131 not completed at NMC 2) Calculus: MATH 112 or MATH 151 at LSSU if NMC MTH 141 not completed at NMC 3) LSSU Physics PHYS 221 &/or 22: if NMC PHY 121 and/or PHY 122 not completed at NMC
ENV 112 Historical Geology 4	GEOL 122 Physical & Hist. Geology II 4	
ENG 111 English Composition I 4	ENGL110 First Year Comp I 3	
ENG 112 English Composition II 4	ENGL111 First Year Comp II 3	
CHM 150 General Chemistry I 5	CHEM 115 General Chemistry I 5	
CHM 151 General Chemistry II 5	CHEM 116 General Chemistry II 5	
GEO 115 Introduction to GIS 3	EVRN 131 Introduction to GIS & GPS 3	
Humanities group 3	Humanities general education course 3	
Humanities group 3	Humanities general education course 3	
MTH 121 College Algebra 4	MATH 111 College Algebra 3	
*MTH 131 Probability/Statistics 3	MATH 207 Prin of Statistical Methods 3	
*MTH 122 Trigonometry 3	MATH131 College Trigonometry 3	
*MTH 141 Calculus I 5	MATH 151 Calculus I 4	
*PHY 121 General Physics I 4	PHYS 221 Elements of Physics I 4	
*PHY 122 General Physics II 4	PHYS 222 Elements of Physics II 4	
Social Science group 3	Social Science general ed. course 3	
* any of the courses above with an (*) may be taken at either NMC or LSSU	Transfer credits due to course credit differences at NMC vs LSSU or in place of NMC courses with an (*) in the left column students may complete any NMC course approved for transfer to LSSU 4-20	
MTA requirements (included above) # see attached MTA sheet	MTA completion: Satisfies LSSU general education requirements	
<ul style="list-style-type: none"> • 2 Courses in English Comp. Met • 1 Course in Mathematics Met • 2 Courses in Social Science Met • 2 Course in Humanities/Fine Arts Met • 2 Courses in Natural Science including one with a lab Met 		
TOTAL NMC CREDITS 61	TOTAL LSSU TRANSFER 61	

APPROVED BY:


 Dr. Lynn G. Gillette (Date)
 Provost and Vice President for Academic Affairs
 Lake Superior State University


 Dr. Marguerite Cotto (Date)
 Vice President for Lifelong and Professional Learning
 Northwestern Michigan College


 Dr. Stephen N. Siciliano (Date)
 Vice-President for Educational Services
 Northwestern Michigan College