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 Robotics Engineering 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 NMC. 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—Transfer Guide

NORTHWESTERN MICHIGAN COLLEGE

## Transfer Major:

Dr. Jerry Dobek  
Science Department Head  
Northwestern Michigan College  
(231) 995-1271 or jdobek@nmc.edu

### Contacts:

Dr. Paul Weber, Chair  
School of Engineering and Technology  
Lake Superior State University  
(906) 635-2031 or pweber@lssu.edu

### NMC Courses | LSSU Equivalency | Additional LSSU Courses
--- | --- | ---
CHM-150 General Chemistry I | CHEM-115 General Chemistry | EGEE-125 Digital Fundamentals
EGR-101 Intro to Engineering | EGNR-101 Intro to Engineering | EGEE-210 Circuit Analysis
EGR-113 Engineering Graphics I | EGMT-142 Overview of Solid Modeling* | EGME-141 Solid Modeling
EGR-203 Dynamics | EGEM-320 Dynamics | EGME-225 Mechanics of Materials
EGR-201 Statics | EGEM-220 Statics | EGNR-265 "C" Programming
MTH-141 Calculus I | MATH-151 Calculus I | EGME-490 Special Topics in Engineering
MTH-142 Calculus II | MATH-152 Calculus II | EGME-491 Engineering Design Project I
MTH-241 Calculus III | MATH-251 Calculus III | EGME-495 Engineering Design Project II
MTH-251 Differential Equations | MATH-310 Differential Equations | EGME-610 Introduction to Robotics
PHYS-221 Prob and Princ of Physics I | PHYS-231 Applied Physics I | EGME-365 Prog. Logic Controllers
PHYS-222 Prob and Princ of Physics II | PHYS-232 Applied Physics II | EGME-372 Mobile Robotics
| | Additional Credits | 8

Michigan Transfer Agreement (MTA)

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### Total NMC Credits: 68

### Total LSSU Transfer Credits: 68

### Total Additional LSSU Credits: 57

Course schedules and offerings throughout the year are subject to change without notice. Students are expected to work closely with their advisors in planning out their academic schedules.

Any of the Northwestern Michigan College courses listed above will transfer to Lake Superior State University according to the transfer guide above only with a grade of "C" or better.

Any student completing the Engineering Certificate at Northwestern Michigan College is guaranteed admission into the B.S. Robotics Engineering program at Lake Superior State University.

**APPROVED BY:**

Lynn Gillette  
Provost  
Lake Superior State University

Mr. Stephen Siciliano  
Vice President for Educational Services  
Northwestern Michigan College

6/14/19  
6/21/2019