

# Lake Superior State University - Articulation Agreement

## with Alpena Community College

**Transfer Major:**

ACC

A.S. in Pre-Engineering

LSSU

B.S. in Robotics Engineering

**Contacts:**

David Cummins, Industrial Tech/CAD/Marine Technology  
Alpena Community College  
(989) 358-7224 or cumminsd@alpenacc.edu

Dr. Joseph P. Moening, Chair School of Engineering & Technology  
Lake Superior State University  
(906) 635-2135 or jmoening@lssu.edu  
LSSU Admissions (888) 800-5778 x:2231

**Valid:**

Spring 2026 - Spring 2031

### ACC Courses

### LSSU Equivalency

### Additional LSSU Courses

ACC Courses		LSSU Equivalency		Additional LSSU Courses	
<b>Michigan Transfer Agreement (MTA)</b>		<b>General Education Requirements Met</b>		Waive EGRS105 Robotics App. & Trends	
CEM121	General Inorganic Chemistry 4	CHEM115	General Chemistry 4	EGEE125	Digital Fundamentals 4
ENG111	English Composition I 3	ENGL110	First Year Composition I 3	EGEE210	Circuit Analysis 4
ENG112	English Composition II 3	ENGL111	First Year Composition II 3	EGRS215	Introduction to Robotics 2
MTH131	Anal Geometry & Calculus I 5	MATH151	Calculus I 4 1	EGRS305	Collab. Robotics & Safety 3
PHY221	Physics I 5	PHYS231	Applied Physics I 4 1	EGRS365	Prog. Logic Controllers 3
PLS221	American Gov't & Politics 3	POLI110	Intro to Amer Gov't & Politics 3	EGRS372	Mobile Robotics 4
XXXxxx	Social Science Course 3	XXXXxxx	Social Science 3	EGRS381	Robotics Technology Lab 1
XXXxxx	Humanities Courses 8	XXXXxxx	Humanities 8	EGRS385	Robotics Engineering 3
<b>Requirements</b>		<b>Requirements</b>		EGRS430	Sys. Int. & Machine Vision 4
EGR122	Introduction to Engineering 1	EGR122 & EGR130 transfer as		EGRS435	Automated Manufacturing Sys. 2
EGR130	Team Design Project 2	EGNR101	Introduction to Engineering 2 1	EGRS460	Control Systems 4
EGR221	Statics 3	EGEM220	Statics 3	EGRS481	Manufacturing Automation Lab 1
MTH132	Anal Geometry & Calculus II 5	MATH152	Calculus II 4 1	EGNR140	Linear Algebra & Num. App. 2
MTH221	C++ Programming 4	EGNR265	C Programming 3 1	EGNR340	Num. Methods for Engineers 1
MTH231	Anal Geometry & Calculus III 5	MATH251	Calculus III 4 1	EGNR491	Engineering Design Project I 3
MTH232	Differential Equations 4	MATH310	Differential Equations 3 1	EGNR495	Engineering Design Project II 3
PHY222	Physics II 5	PHYS232	Applied Physics II 4 1	MATH308	Probability & Statistics 3
<b>Optional Additions</b>				Technical Electives 6	
CAD150	3D Modeling 3	EGME141	Solid Modeling 3	Support Electives 3	
MFG101	Machining Processes I 4	EGME110	Manufacturing Processes 3 1		
<b>ACC Credits</b> 70		<b>LSSU Transfer Credits</b> 70		<b>LSSU Additional Credits</b> 56	
				<b>Total LSSU Required Credits</b> min: 124	

Course offerings are subject to change without notice. Students should work closely with advisors in planning schedules.

ACC courses listed above will transfer to LSSU according to the guide above only with a grade of 'C-' or better.

Completing the A.S. in Pre-Engineering at ACC, guarantees admission into the LSSU B.S. in Robotics Engineering program.

*Mindy McCready* 2/23/2026  
**Ms. Mindy McCready** (Date)

LSSU Interim Dean of the College of Business,  
Engineering, Computer Science, & Mathematics

*Kimberly Muller* 3/2/26  
**Dr. Kimberly Muller** (Date)

LSSU Provost & VP of Academic Affairs

*David Cummins* Mar 3, 2026  
[David Cummins \(Mar 3, 2026 10:57:51 EST\)](#)

**David Cummins** (Date)  
ACC Industrial Tech/CAD/Marine Technology

*Paige H. Gordier* Mar 3, 2026  
[Paige H. Gordier \(Mar 3, 2026 11:05:12 EST\)](#)

**Paige H. Gordier, PhD** (Date)  
ACC Vice President of Instruction