

# Lake Superior State University - Articulation Agreement

## with Alpena Community College

|                        |      |                                |
|------------------------|------|--------------------------------|
| <b>Transfer Major:</b> | ACC  | A.S. in Pre-Engineering        |
|                        | LSSU | B.S. in Electrical Engineering |

|                  |                                                                                                                                                                                   |               |                           |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------|
| <b>Contacts:</b> | David Cummins, Industrial Tech/CAD/Marine Technology<br>Alpena Community College<br>(989) 358-7224 or cumminsd@alpenacc.edu                                                       | <b>Valid:</b> | Spring 2026 - Spring 2031 |
|                  | Dr. Joseph P. Moening, Chair School of Engineering & Technology<br>Lake Superior State University<br>(906) 635-2135 or jmoening@lssu.edu<br>LSSU Admissions (888) 800-5778 x:2231 |               |                           |

| ACC Courses                              |                                | LSSU Equivalency                          |                                  | Additional LSSU Courses                     |                                 |
|------------------------------------------|--------------------------------|-------------------------------------------|----------------------------------|---------------------------------------------|---------------------------------|
| <b>Michigan Transfer Agreement (MTA)</b> |                                | <b>General Education Requirements Met</b> |                                  |                                             |                                 |
| 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      | EGEE250                                     | Microcontroller Fundamentals 4  |
| MTH131                                   | Anal Geometry & Calculus I 5   | MATH151                                   | Calculus I 4 1                   | EGEE280                                     | Intro. to Signal Processing 4   |
| PHY221                                   | Physics I 5                    | PHYS231                                   | Applied Physics I 4 1            | EGEE310                                     | Network Analysis 4              |
| PLS221                                   | American Gov't & Politics 3    | POLI110                                   | Intro to Amer Gov't & Politics 3 | EGEE330                                     | Electro-Mechanical Systems 4    |
| XXXxxx                                   | Social Science Course 3        | XXXXxxx                                   | Social Science 3                 | EGEE345                                     | Fund. of Electromagnetics 3     |
| XXXxxx                                   | Humanities Courses 8           | XXXXxxx                                   | Humanities 8                     | EGEE370                                     | Electronic Devices 4            |
| <b>Requirements</b>                      |                                | <b>Requirements</b>                       |                                  | EGEE475                                     | Power Electronics 4             |
| EGR122                                   | Introduction to Engineering 1  | EGR122 & EGR130 transfer as               |                                  | EGNR140                                     | Linear Algebra & Num. App. 2    |
| EGR130                                   | Team Design Project 2          | EGNR101                                   | Introduction to Engineering 2 1  | EGNR340                                     | Num. Methods for Engineers 1    |
| EGR221                                   | Statics 3                      | EGEM220                                   | Statics 3                        | EGNR346                                     | Prob. & Stats Lab 1             |
| MTH132                                   | Anal Geometry & Calculus II 5  | MATH152                                   | Calculus II 4 1                  | EGNR491                                     | Engineering Design Project I 3  |
| MTH221                                   | C++ Programming 4              | EGNR265                                   | C Programming 3 1                | EGNR495                                     | Engineering Design Project II 3 |
| MTH231                                   | Anal Geometry & Calculus III 5 | MATH251                                   | Calculus III 4 1                 | EGRS460                                     | Control Systems 4               |
| MTH232                                   | Differential Equations 4       | MATH310                                   | Differential Equations 3 1       | MATH308                                     | Probability & Statistics 3      |
| PHY222                                   | Physics II 5                   | PHYS232                                   | Applied Physics II 4 1           |                                             | Technical Electives 13          |
| <b>ACC Credits</b> 63                    |                                | <b>LSSU Transfer Credits</b> 63           |                                  | <b>LSSU Additional Credits</b> 65           |                                 |
|                                          |                                |                                           |                                  | <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 Electrical 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