Lake Superior State University — Articulation Agreement

NORTHWESTERN MICHIGAN COLLEGE

Transfer Major: NMC: Engineering Transfer Program + Michigan Transfer Agreement to LSSU: B.S. Robotics Engineering (RE)

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Valid For: 2023-2027
Continuing with review and renewal every 4 years

<table>
<thead>
<tr>
<th>NMC Courses</th>
<th>LSSU Equivalency</th>
<th>Addtl. LSSU Courses for B.S. Degree</th>
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</thead>
<tbody>
<tr>
<td>CHM-150 (also L &amp; R) General Chemistry I</td>
<td>CHEM-115 General Chemistry</td>
<td>EGEE-125 Digital Fundamentals</td>
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<tr>
<td>MTH-141 Calculus I</td>
<td>MATH-151 Calculus I</td>
<td>EGEE-211 Circuit Analysis Lab</td>
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<tr>
<td>MTH-142 Calculus II</td>
<td>MATH-152 Calculus II</td>
<td>EGNR-140 Lin. Algebra/Num. Methods</td>
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<tr>
<td>PHY-221 (also L&amp;R) Prob. &amp; Prin. of Phys. I</td>
<td>PHYS-231 Applied Physics I</td>
<td>EGNR-495 Engineering Design Project II</td>
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Sub-total 34 Sub-total 34 Addtl. LSSU Courses

Recommended Electives (13 credits)
- EGR-101 Intro to Engineering
  - Waive EGME-225 Mechanics of Materials
- EGR-110 Intro to Computer Science
  - EGEM-141 Solid Modeling
- EGR-113 Engineering Graphics I
  - EGR-201 Statics
- EGR-202 Mechanics of Materials
  - Addtl. Electives that can be transferred
- EGR-203 Dynamics
  - EGR-202 Circuit Analysis - lecture only
- EGR-220 Engineering Practice I
  - EGR-221 Material Science
  - EGR-232 Introductory Thermodynamics
  - 8 Gen. Ed. Requirements at LSSU - Met

Additional Michigan Transfer Agreement (MTA) Courses Regd. (min.)
- 8 Met

MTC requirements can also be completed at LSSU.

Note: It is sufficient if overall 13 EGR credits from NMC are transferred (incl. EGR201) to complete LSSU's Robotics Engineering B.S. degree in 2 years. But, additional EGR credits from NMC reduces course load at LSSU. See 2-yr plan of study at LSSU attached.

TOTAL NMC CREDITS: 67-82 TOTAL LSSU TRANSFER CREDITS: 66-81 Min. ADDL. LSSU CREDITS REQD.: 52

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

Any of the NMC courses listed above will transfer to LSSU with a grade of 'C-' (1.7) or better.

Any student completing the Engineering Transfer program at NMC is guaranteed admission into LSSU's B.S. Robotics Engineering program.

APPROVED BY:

Dr. Kimberly Muller
Interim Provost and
Vice President for Academic Affairs
Lake Superior State University

3/5/24

Dr. Stephen N. Siciliano
Vice President for Educational Services
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3/7/2024