Lake Superior State University — Articulation Agreement NORTHWESTERN MICHIGAN COLLEGE Transfer Major: NMC: ASE Pre-Engineering to LSSU: B.S. Mechanical Engineering						
Contacts:	Dr. James D Smith Engineering Faculty Northwestern Michigan C (231) 995-1270 or jsmith(@nmc	c.edu		Valid For: 2023-2027 Continuing with review and renewal every 4 years	
	(906) 635-2031 or pwebe					
NMC Courses			LSSU Equivalency		Additional LSSU Courses	
PHYS-222 (also CHM-150 (also I Social Science (Sub-total Dir EGR-101 Intro tot EGR-111 Intro tot EGR-113 Engine EGR-201 Statics EGR-202 Mechate EGR-203 Dynar EGR-221 Materia EGR-211 Electric EGR-220 Engine Sub-total Michigan Transfor MTA, Additional Transfor MTA, Additional Transfor MTA, Additional Toourse - Course change advise - Any of grade - Any of grade - Any of statics - Statics - Any of grade - Any of statics - Statics - Any of grade - Any of statics - S	sh Composition y one course) lus I lus II lus II lential Equations of L&R) Prob & Prin of Phys I L&R) Prob & Prin of Phys II L&R) Prob & Prin of Phys II L&R) General Chemistry I (One course) ected Electives (min. 25 cr) of Engineering of Computer Science deering Graphics I stanics of Materials mics dial Science dical Circuits deering Practice I effer Agreement (MTA) dicional Courses Reqd 6 de in Social Science/Grp de in Humanities/Grp see schedules and offerings age without notice. Students for in planning out their act of the NMC courses listed at of 'C-' (1.7) or better. Attudent completing the Eng	are e adem above ineer	ENGL110 First Year Composition I ENGL111 First Year Composition II Humanities MATH-151 Calculus I MATH-152 Calculus II MATH-251 Calculus III MATH-251 Calculus III MATH-310 Differential Equations PHYS-231 Applied Physics I PHYS-232 Applied Physics II CHEM-115 General Chemistry Social Science Sub-total EGNR-101 Intro to Engineering EGNR-265 "C" Programming EGMT-141 Solid Modelling EGEM-220 Statics EGME-225 Mechanics of Materials EGEM-320 Dynamics + EGEM377 EGME-275 Engineering Materials EGEE-277 Tech Elective (Waive Circuit Analysis - lecture only) EGNR277 Tech Elective Sub-total General Ed. Requirements If MTA is not met, additional 6 credits will be required to complete MTA requirements Inghout the year are subject to expected to work closely with hic schedules. Will transfer to LSSU with a sing Transfer program at NMC is S. Mechanical Eng. Program	3 3 3 4 4 4 5 3 4 4 5 3 3 3 3 3 3 3 2 2 5 6	EGME-110 Manufacturing Processes EGNR-140 Linear Alg / Num Methods EGME-276 Strength of Materials Lab MATH-308 Probability and Statistics EGME-350 Machine Design EGEE-211 Circuit Analysis Lab EGNR-340 Num Methods for Engineers EGME-337 Thermodynamics EGME-338 Fluid Mechanics EGME-431 Heat Transfer EGME-432 Thermal Fluids Lab EGRS-460 Control Systems EGNR-491 Engineering Design Project I BUNE-495 Engineering Design Project II Sub-total SENIOR SEQUENCE (Select 1) Industrial: EGNR491 & 495 - 6 Co-op: EGNR450, 451, and 491 - 10 Research: EGNR260, 460, 461 - 8 TECHNICAL ELECTIVE (Select 1 area from below) Vehicle Systems (18-19 cr): EGE-220, EGME240, EGME310, EGME415, EGME425, & [EGME442 or EGRS461] Robotics & Automation (17-18 cr): EGRS365, EGRS385, EGRS430, EGRS435, & [3-4 cr Approved Tech Elective] General: 17 cr: Approved Tech Electives, min (2) 400-level; max (2) 200-level courses Approved Tech Electives: EGME 240, 310, 415, 425, 442; EGMT 216; EGNR 261, 361, 310, 346, 490; EGRS 305,325,372,375,385, 430,435,461	3 2 1 3 4 1 1 4 3 3 2 4 3 3 3 7 6 - 10
TOTAL NMC CI	REDITS	73-79	TOTAL Equivalent LSSU CREDITS	65-71	EGEE 280, 310, 330, 345, 411 ADDITIONAL LSSU CREDITS	60-66

APPROVED BY::

Kimberly Muller

3/5/24

Stephen N. Silliano

3/1/2024

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

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

Updated: 10/31/23