

Lake Superior State University—Transfer Guide

NORTHWESTERN MICHIGAN COLLEGE

Transfer Major:

NMC: Engineering Certificate + Michigan Transfer Agreement
to
LSSU: B.S. Robotics Engineering

Contacts:

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Valid For:

2019-2023
Continuing with review and renewal every 4 years

NMC Courses		LSSU Equivalency		Additional LSSU Courses		
CHM-150	General Chemistry I	5	CHEM-115 General Chemistry	5	EGEE-125 Digital Fundamentals 4	
EGR-101	Intro to Engineering	1	EGNR-101 Intro to Engineering	1	EGEE-210 Circuit Analysis 4	
EGR-113	Engineering Graphics I	3	EGMT-142 Overview of Solid Modeling*	2*	EGME-141 Solid Modeling 3	
EGR-202	Mechanics of Materials	3	EGME-225 Mechanics of Materials	3*	EGNR-140 Lin. Algebra/Num. Methods 2	
EGR-203	Dynamics	4	EGEM-320 Dynamics	3*	EGNR-265 "C" Programming 3	
EGR-201	Statics	3	EGEM-220 Statics	3	EGNR-340 Adv. Num. Method for Eng. 1	
MTH-141	Calculus I	5	MATH-151 Calculus I	4	EGNR-490 Special Topics in Engineering 4	
MTH-142	Calculus II	5	MATH-152 Calculus II	4	EGNR-491 Engineering Design Project I 3	
MTH-241	Calculus III	5	MATH-251 Calculus III	4	EGNR-495 Engineering Design Project II 3	
MTH-251	Differential Equations	4	MATH-310 Differential Equations	3	EGRS-215 Introduction to Robotics 2	
PHYS-221	Prob and Princ of Physics I	5	PHYS-231 Applied Physics I	4	EGRS-365 Prog. Logic Controllers 3	
PHYS-222	Prob and Princ of Physics II	5	PHYS-232 Applied Physics II	4	EGRS-372 Mobile Robotics 4	
			Additional Credits	8	EGRS-385 Robotics Engineering 4	
	Michigan Transfer Agreement (MTA)				EGRS-430 Systems Integ & Machine Visior 4	
	Additional MTA Course (minimum)	20	General Education Requirements Met	20	EGRS-435 Autmoated Manuf. Systems 3	
	*see attached MTA sheet				EGRS-460 Control Systems 4	
	• 2 Courses in English Comp.				MATH-308 Probability and Statistics 3	
	• 1 Course in Mathematics	Met	*not required for the B.S. Robotics		Support Elective 3	
	• 2 Courses in Social Sci		Engineering degree but applicable as			
	• 2 Course in Humanities/Fine Arts		electives			
	• 2 Courses in Natural Science	Met				
	including one with lab					
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:

 6/4/19
Dr. Lynn Gillette (Date)
Provost
Lake Superior State University

 6/21/2019
Mr. Stephen Siciliano (Date)
Vice President for Educational Services
Northwestern Michigan College