

Lake Superior State University—Articulation Agreement

Bay de Noc Community College

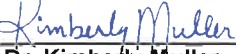
Transfer Major: Bachelor of Science-Mechanical Engineering

Contacts:	Jillena Rose, Transfer & Student Advising Bay de Noc Community College 906/217.4047 or jillena.rose@baycollege.edu Bay College Admissions 906/786.5802	Valid:	Fall 2023 - Fall 2026
	Heidi Rife, Director of LSSU Regional Center Lake Superior State University 906/217.4123 or hrife@lssu.edu LSSU Admissions 888/800.5778 x:2231		

Bay College Courses	LSSU Equivalency	Additional LSSU Courses
Michigan Transfer Agreement (MTA)	STUDENTS EARN MTA AT BAY	REQUIREMENTS
ENGL101 Rhet & Comp 3	ENGL110 First-Year Composition I 3	MATH308 Probability & Math Statistics 3
XXXXxxx Communications Elective 3	XXXXxxx Communications Elective 3	EGME141 Solid Modeling 3
MATH141 Analytical Geo/Calc I 5	MATH151 Calculus I 4+1	EGME275 Engineering Materials I 3
CHEM110 General Chemistry I 5	CHEM115 General Chemistry I 5	EGME276 Strength of Materials Lab 1
PHYS205 Engineering Physics I 5	PHYS231 Applied Phy Eng./Scientist 4+1	EGME337 Thermodynamics 4
XXXXxxx Social & Behav. Science 6	XXXXxxx Social & Behav. Science 6	EGME338 Fluid Mechanics 3
XXXXxxx Humanities 6	XXXXxxx Humanities 6	EGME350 Machine Design 4
		EGME431 Heat Transfer 3
		EGME432 Thermal & Fluids Lab 2
REQUIREMENTS	REQUIREMENTS	EGNR101 Waived for Transfer Students
CHEM110 From above MTA	CHEM115 From above MTA	EGNR140 Linear Alg / Num Methods 1
ELEC130 Circuit Fundamentals I 4	EGEE210 Circuit Analysis 4	EGNR265 C Programming 3
MATH141 From above MTA	MATH151 From above MTA	EGNR340 Num Methods for Engineers 1
MATH142 Analytical Geo/Calc II 5	MATH152 Calculus II 4+1	EGRS460 Control Systems 4
MATH243 Analytical Geo/Calc III 5	MATH251 Calculus III 4+1	
MATH244 Differential Equations 3	MATH310 Differential Equations 3	SENIOR SEQUENCE (Select 1) 6-10
MATH250 Intro to Linear Algebra 3	EGNR100 Special Topics 3	Industrial: EGNR491 & 495
PHYS205 From above MTA	PHYS231 From above MTA	Cooperative: EGNR450, 451, & 491
PHYS206 Engineering Physics II 5	PHYS232 Applied Phy Eng./Scientist II 4+1	Research: EGNR260, 460, & 461
PHYS260 Statics 3	EGEM220 Statics 3	
PHYS261 Dynamics 3	EGEM320 Dynamics 3	TECHNICAL ELECTIVE (Select 1 area; min. 17 credits) 12-17
PHYS262 Mechanics of Materials 3	EGME225 Mechanics of Materials I 3	Vehicle Systems (17-18 cr): EGEE280, EGME240, EGME310, EGME415, EGME425, & [EGME442 or EGRS461]
TECH100 Basic Machine Tool and TECH105 Materials of Industry 4	EGME110 Manufacturing Processes I 3+5	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
TECHNICAL ELECTIVE (max. (2) 200-level) 0-8	TECHNICAL ELECTIVES (max. (2) 200-level) 0-5	<i>Approved Tech Electives:</i> EGME 240, 310, 415, 425, 442; EGMT 216; EGNR 261, 361, 310, 346, 490; EGRS 305, 325, 372, 375, 385, 430, 435, 461; EGEE 280, 310, 330, 345, 411
Vehicle Systems (17-18 cr): LSSU Courses	Vehicle Systems (17-18 cr): LSSU Courses	
Robotics & Automation: ELEC290 & 14-15 cr LSSU courses	Robotics & Automation: EGRS365 & 14-15 cr LSSU courses	
General: ELEC240, ELEC290, & 13 cr LSSU courses	General: EGRS215, EGRS365, & 13 cr LSSU courses	
ELECTIVES (to reach min. 124 cr)	ELECTIVES (to reach min. 124 cr)	
Note: Students will earn Bay's A.S. Pre-Engineering upon successful completion of the courses listed in blue. Consult with a Bay advisor. B.S. Note: 30 credits from Mathematics and Natural Sciences is required.		
APPROX. BAY CREDITS 75-83		MIN. LSSU CREDITS 53-68
		TOTAL CREDITS Min. 128

Consultation with an advisor is recommended. EGNR101 will be waived for transfer students; MATH260 course sub for EGNR100/EGNR141


Ms. Windy McCready 9/28/23 (Date)
 LSSU Interim Dean of the College of Innovation and Solutions


Dr. Kimberly Muller 9/29/23 (Date)
 LSSU Interim Provost & VP of Academic Affairs


Dr. Jessica Van Slooten 10-7-23 (Date)
 Bay College Dean of Arts & Sciences


Dr. Amy Redinger 10/17/23 (Date)
 VP Arts & Sciences & DEB