

Lake Superior State University—Articulation Agreement

Bay de Noc Community College

Transfer Major: Bachelor of Science-Mechatronics

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
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Bay College Courses	LSSU Equivalency	Additional LSSU Courses
Michigan Transfer Agreement (MTA)	STUDENTS EARN MTA AT BAY COLLEGE	REQUIREMENTS
ENGL101 Rhetoric and Composition 3	ENGL110 First-Year Composition I 3	CSCI265 Int to Artificial Intelligence 3
XXXXxxx Communication Elective 3	XXXXxxx Communications Elective 3	ECON302 Managerial Economics 4
MATH110 College Algebra 4	MATH111 College Algebra 3+1	EGET270 Applied Electricity 4
CHEM102 Intro to Chem 4	CHEM108 Applied Chemistry 3+1	EGET275 Applied Electronics 4
-and CHEM104: Intro to Chem Lab 1	-and CHEM109: Applied Chem Lab 1	EGME110 Mfg Processes 3
PHYS201 Elements of Physics I 4	PHYS221 Princ of Physics I 4	EGME141 Solid Modeling 3
XXXXxxx Social & Behavioral Science 6	XXXXxxx Social & Behavioral Science 6	EGNR101 Waived for transfer students
XXXXxxx Humanities 6	XXXXxxx Humanities 6	EGNR140 Linear Alg / Num Methods 2
REQUIREMENTS	REQUIREMENTS	EGNR245 Calculus App for Tech 3
CHEM102 (From above MTA)	CHEM108 From above MTA	EGRS105 Robotics App & Trends 1
-and CHEM104 (From above MTA)	-and CHEM109 From above MTA	EGNR235 Industry 4.0 4
CSCI120 Principles of Programming* 4	EGNR265 C Programming* 3+1	EGRS325 Industrial Control Systems 3
ELEC170 Digital I Fundamentals 4	EGEE125 Digital Fundamentals 4	EGRS375 Cyber-Physical Sys & Sec 3
ELEC240 Real Time Robotics Sys 4	EGRS215 Intro to Robotics 2+2	EGRS380 Robotics Technology 2
ELEC290 Intro to Program Logic 4	EGRS365 Program. Logic Control. 3+1	EGRS381 Robotics Technology Lab 1
MATH110 (From above MTA)	MATH111 From above MTA	EGRS480 Manufacturing Automation 3
MATH140 Precalculus 5	MATH131 College Trig & MATH111 3+2	EGRS481 Mfg Automation Lab 1
MATH141 Analytical Geo & Calc I* 5	MATH112 Calc Business/Life Sci* 4+1	SENIOR YEAR EXPERIENCE (Select 1) 6-13
MATH210 Intro to Statistics 4	MATH207 Princ of Statistical Methods 3+1	Industrial: EGNR491 & 495
PHYS201 (From above MTA)	PHYS221 From above MTA	Cooperative: EGNR250, 450, 451, & 491
PHYS260 Statics* 3	EGMT225 Statics, Strength of Matr'l*s* 3	Research: EGNR260, 460, & 461
TECHNICAL ELECTIVE (min 7 cr) 0-7	TECHNICAL ELECTIVE (min. 7 cr) 0-7	TECHNICAL ELECTIVE (min. 7 cr) 0-7
CSCI101: Computer Science I (3 cr)	CSCI105: Intro to Computer Prog (3 cr)	CSCI221 or ↑; EGEE250; or EGEE300 or ↑;
CNSS130: Intro to Networks (4 cr)	CSCI221: Computer Networks (3+1 cr)	EGME240 or ↑; EGMT216 or ↑;
CNSS220: Network Design (4 cr)	CSCI277: Electives (4 cr)	EGRS300 or ↑; or faculty advisor approval
CNSS225: Wireless Systems (4 cr)	CSCI277: Electives (4 cr)	SYSTEMS INTEGRATION ELECTIVE 3
CNSS230: Intro to Unix Using Linux (4 cr)	CSCI277: Electives (4 cr)	(min. 3 cr)
CNSS245: SQL Server (4 cr)	CSCI277: Electives (4 cr)	EGREE355, EGRS372, EGRS430 or
CNSS260: Network Security (4 cr)	CSCI263: Managing Comp Security (3+1 cr)	approval of faculty advisor
Or LSSU Courses	Or LSSU Courses	ELECTIVES (to reach 124 total credits)
ELECTIVES (to reach 124 total credits)	ELECTIVES (to reach 124 total credits)	
<p>Note: Students will earn Bay's A.A. upon successful completion of 60 credits (including MTA). Consult with a Bay advisor.</p>		
APPROX. BAY COLLEGE CREDITS 64-71		MIN. LSSU CREDITS 53
		TOTAL CREDITS Min. 124

*Sub/waiver forms will need to be written for Bay's CSCI120 to LSSU's EGNR265; MATH141 to MATH112; PHYS260 to EGMT225
EGNR101 will be waived for transfer students. Consultation with an advisor is recommended.

Mindy McCready 9/11/2023
Ms. Mindy McCready (Date)
 LSSU Interim Dean of the College of Innovation and Solutions

Kimberly Muller 9/12/23
Dr. Kimberly Muller (Date)
 LSSU Interim Provost & VP of Academic Affairs

Mark Highum 9/18/2023
Mr. Mark Highum (Date)
 Bay College Dean of Business & Technology

Cynthia Carter 9/18/23
Ms. Cindy Carter (Date)
 VP Business, Tech, Allied Health & Workforce Dev.