

Lake Superior State University—Transfer Guide

Bay de Noc Community College

Transfer Major: Bachelor of Science Degree Electrical Engineering

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Bay de Noc Community College		LSSU Equivalency		LSSU Bachelor of Science Degree Electrical Engineering	
MACRAO Certification (General Education Requirements)	25	MACRAO Certification (General Education Requirements)	25	Courses to Complete BS Degree:	
CH 105 General Chemistry I	5	CH 115 General Chemistry I	5	MA 243 Calc/Linear Alg for Engineers	4
ET 170 Digital Fundamentals	4	EE 125 Digital Fundamentals	4	MA 308 Probability/Math Statistics	3
MA 141 Analytical Geometry/Calculus I	5	MA 151 Calculus I (4) and MA Elec (1)	5	EE 105 Fabrication Fundamentals	1
MA 142 Analytical Geometry/Calculus II	5	MA 152 Calculus II (4) and MA Elec (1)	5	EE Circuit Analysis	4
MA 243 Analytical Geometry/Calculus III	5	MA 251 Calculus III (4) and MA Elec (1)	5	EE 250 Microcontroller Fundamentals	4
MA 244 Differential Equations	3	MA 310 Differential Equations	3	EE 280 Intro Signal Processing	5
PH 205 Engineering Physics I	5	PH 231 Appl Physics Eng/Sci I (4) and PH Elective (1)	5	EE 310 Network Analysis	4
PH 206 Engineering Physics II	5	PH 232 Appl Physics Eng/Sci II (4) and PH Elective (1)	5	EE 330 Electro-Mechanical Systems	4
PH 260 Statics	3	EM 220 Statics	3	EE 345 Fund Eng Electromagnetics	3
				EE 370 Electronic Devices	4
				EE 375 Electronic Circuits	4
				EG 101 Intro Engineering	2
				EG 140 Numerical Appl for Engineers	1
				EG 265 "C" Programming	3
				EG 340 Adv Numerical Appl for Eng	1
				EG 346 Prob/Statistics Lab for Eng	1
				RS 460 Control Systems	4
				RS 461 Design of Control Systems	4
				Electrical Engineering Degree Option*	11
				Senior Sequence Option**	6-9
TOTAL BAY CREDITS	65	TOTAL LSSU TRANSFER	65	TOTAL LSSU CREDITS	73

APPROVED BY:

Bay de Noc Community College (Date)

Maurice Walworth, Chair, Elec/Comp Engineering (Date)
Lake Superior State University

Students must have MACRAO certification from Bay de Noc Community College for agreement to be valid. Students should work with their community college transfer counselor to verify MACRAO requirements.

* Select one of the following three options to complete the Electrical Engineering degree: Digital Systems Option, Robotics and Automation Option, or Electrical/Mechanical Option.

** Select one of the following three Senior Sequence options to complete the Electrical Engineering degree: Industrial Project, Cooperative Project, or Research Project.