LAKE SUPERIOR STATE UNIVERSITY

School of Engineering & Technology

BS Degree in Electrical Engineering Technology

(For students entering the program in the 2011-12 academic year)

Freshman Year – Fall Semester

EGME-141	Solid Modeling (2,2)	3
EGNR-101	Introduction to Engineering (1,2)	2
ENGL-110	First-Year Composition I (3,0)	3
MATH-111	College Algebra (3,0)	3
	Social Science Elective (3,0)	3
		14

Freshman Year – Spring Semester

CHEM-108	Applied Chemistry (3,0)	3
CHEM-109	Applied Chemistry Lab (0,3)	1
EGEE-125	Digital Fundamentals (3,2)	4
ENGL-111	First-Year Composition II (3,0)	3
MATH-131	College Trigonometry (3,0)	3
	Cultural Diversity Elective (3,0)	3
		17

Sophomore Year – Fall Semester

COMM-101	Fundamentals of Speech Communication (3,0)	3
EGET-110	Applied Electricity (3,2)	4
EGNR-140	Linear Algebra and Num Methods for Engineers (1,3)	2
MATH-112	Calculus for Business and Life Science (4,0)	4
PHYS-221	Elements of Physics I (3,2)	4
		17

Sophomore Year – Spring Semester

EGET-175	Applied Electronics (3,2)	4
EGNR-245	Calculus Applications for Technology (2,2)	3
EGNR-265	C Programming (3,0)	3
PHYS-222	Elements of Physics II (3,2)	4
Technical Elective		2-3
		16-17

Junior Year – Fall Semester

EGEE-250	Microcontroller Fundamentals (3,2)	4
EGRS-380	Robotics Technology II (2,0)	2
EGRS-381	Robotics Technology II Lab (0,3)	1
MATH-207	Principles of Statistical Methods (3,0)	3
	Humanities Elective (3,0)	3
	Technical Elective	3-4
		16-17

Junior Year – Spring Semester

EGEE-355	Microcontroller Systems (3,3)	4
EGET-310	Electronic Manufacturing Processes (3,3)	4
EGRS-365	Programmable Logic Controllers (2,3)	3
MGMT-375	Introduction to Supply Chain Management (3,0)	3
	Free Elective	3
		17

Senior Year – Fall Semester

EGEE-320	Digital Design (3,3)	4
EGNR-491	Engineering Design Project I (2,3)	3
HUMN-251	Humanities I (4,0)	4
	Technical Elective	3-4
		14-15

Senior Year – Spring Semester

ECON-302	Managerial Economics (4,0)	4
EGNR-310	Advanced Quality Engineering (4,0)	3
EGNR-495	Engineering Design Project II (1,6)	3
	Technical Elective (*as necessary*)	2-4
		11-14

Total Credits: ***125***

Technical Electives Required for Robotics Technology Minor

EGRS-215	Introduction to Robotics (1,2)	2
EGRS-430	Systems Integration and Machine Vision (3,3)	3
EGRS-480	Control Systems and Automation (3,0)	3
EGRS-481	Control Systems and Automation Lab (0,3)	1