

B.S. Electrical Eng. Tech.

Freshman (1st) Year - Fall Semester		2024
MATH-111	College Algebra (Every)	3
ENGL-110	First-Year Composition I (Every)	3
EGNR-101	Intro. to Engineering (Fall)	2
EGME-141	Solid Modeling (Every)	3
CHEM-108	Applied Chemistry (Every)	3
CHEM-109	Applied Chemistry Lab (Every)	1
		15

Freshman (1st) Year - Spring Semester		2025
MATH-131	College Trigonometry (Every)	3
ENGL-111	First-Year Composition II (Every)	3
EGEE-125	Digital Fundamentals (Spring)	4
MATH-207	Principles of Statistical Methods (Every)	3
	Cultural Diversity Elective	3
		16

Sophmore (2nd) Year - Fall Semester		2025
MATH-112	Calculus for Bus. & Life Sci. (Every)	4
EGNR-140	Linear Algebra Num. App. for Eng. (Every)	2
PHYS-221	Principles of Physics I (Fall)	4
EGEE-250	Microcontroller Fundamentals (Fall)	4
	Communication Elective	3
		17

Sophmore (2nd) Year - Spring Semester		2026
EGNR-245	Calculus App. for Tech. (Even Spring)	3
EGNR-265	C Programming (Every)	3
PHYS-222	Principles of Physics II (Fall)	4
ECON-302	Managerial Economics (Even Spring)	4
	Humanities Elective	3
		17

Junior (3rd) Year - Fall Semester		2026
EGET-270	Applied Electricity (Even Fall)	4
EGEE-320	Digital Design (Even Fall)	4
EGRS-380	Robotics Technology (Fall)	2
EGRS-381	Robotics Technology Lab (Every)	1
EGRS-365	Programmable Logic Controllers (Every)	3
		14

Junior (3rd) Year - Spring Semester		2027
EGET-275	Applied Electronics (Odd Spring)	4
EGRS-325	Industrial Control Systems (Odd Spring)	3
	Management Elective	3
	Technical Elective	3
	Technical Elective	3
		16

Senior (4th) Year - Fall Semester		2027
EGNR-491*	Engineering Design Project I (Fall)	3
EGNR-310	Advanced Quality Engineering (Odd Fall)	3
	Technical Elective	3
	Social Science Elective	3
	Free Elective	2
		14

Senior (4th) Year - Spring Semester		2028
EGNR-495*	Engineering Design Project II (Spring)	3
EGEE-355	Microcontroller Systems (Even Spring)	4
	Technical Elective	3
	Humanities Elective	3
	Free Elective	2
		15

Bolded courses require a grade of C or better for the degree

Minimum Total Credits: 124

General Technical Electives (12 credits minimum)

CSCI	163, 265
ECON	307
EGME	110, 240, 275, 276
EGMT	216, 225
EGNR	261
EGRS	215, 235, 305, 372, 375, 430, 480, 481
MATH	215 or higher

Management Elective (3 credits minimum)

MGMT-360	Management Info. Systems (Every)	3
MGMT-371	Operations/Business Analytics (Every)	3

***Senior Sequence Options (Discuss with Advisor)**

Industrial	EGNR-491 & EGNR-495 as shown
Co-Op	EGNR-250, EGNR-450, EGNR-451, & EGNR-491
Research	EGNR-260, EGNR-460, & EGNR-461

Technical Electives Required for Minor in Robotics Technology

These courses can be taken as technical electives for EET and also apply towards the robotics minor.

EGRS-215	Introduction to Robotics (Fall)	2
EGRS-430	Sys. Int. and Machine Vision (Fall)	4
EGRS-480	Manufacturing Automation (Fall)	3
EGRS-481	Manufacturing Automation Lab (Every)	1
EGNR-496	Senior Directed Project (On Demand)	3