

ELECTRICAL & COMPUTER ENGINEERING (ELCO)

Program of Study — Catalog Year 2024 - 2025

	Fall Semester				Spring Semester			
	Terms Offered	Course	Course Title	Hrs.	Terms Offered	Course	Course Title	Hrs.
Freshman	F, Sp, Su	CH 115/R/116	General Chemistry I / Lab	4	F, Sp	EE 210	Digital Logic	3
	F	EGR 200 ¹	Introduction to Engineering	3	Sp	EGR 194	Engineering Explorations	1
	F, Sp, Su	EH 101	English Composition I	3	F, Sp	EGR 103	Computer-Aided Graphics & Design	3
	F, Sp, Su	MA 125/L	Calculus I/Lab	4	F, Sp, Su	MA 126	Calculus II	4
					F, Sp, Su	PH 221/R/L	General Physics I and Lab	4
					F, Sp	EGR 150	Computer Methods in Engineering	3
			Total Credits:	14			Total Credits:	18
Sophomore	F, Sp	EE 314/R	Electrical Circuits	3	F, Sp	EE 233	Engineering Programming Methods	3
	F, Sp	EGR 265 ²	Math Tools for Engineering Problem Solving	4	F, Sp	EE 316/L	Electrical Networks	4
	F, Sp, Su	Blazer Core ³	Creative Arts	3	F, Sp	EE 300	Engineering Problem Solving II	3
	F, Sp, Su	PH 222/R/L	General Physics II and Lab	4	F, Sp	ME 251	Introduction to Thermal Sciences	2
	F, Sp, Su	EH 102	English Composition II	3	F, Sp, Su	Blazer Core ³	Reasoning	3
			Total Credits:	17			Total Credits:	15
Junior	F, Sp	EE 318	Signals & Systems	3	Sp	EE 254 ²	Applied Numerical Methods	3
	F, Sp	EE 333	Engineering Programming with Objects	3	F, Sp	EE 337/L	Introduction to Microprocessors/Lab	4
	F	EE 351/L	Electronics/Lab	4	Sp	EE 361/L	Machinery I/Lab	4
	F	EE 485	Engineering Operations	3	F, Sp	EE 341	Electromagnetics	3
	F, Sp, Su	Blazer Core ^{3,4}	City as a Classroom	3	F, Sp, Su	CE 210 ⁵	Statics	3
			Total Credits:	16			Total Credits:	17
Senior	F	EE 426	Control Systems	3	Sp	EE 421	Communication Systems	3
	F, Sp	EE 498	Team Design Project I	3	Sp	EE 431	Analog Integrated Electronics	4
	F, Sp, Su	EE 4XX	Electrical Engineering Elective	3	F, Sp	EE 499	Team Design Project II	3
	F, Sp, Su	EE 4XX	Electrical Engineering Elective	3	F, Sp, Su	EE 4XX	Electrical Engineering Elective	3
	F, Sp, Su	Blazer Core ³	Humans & Their Societies	3	F, Sp, Su	Blazer Core ³	History & Meaning	3
			Total Credits:	15			Total Credits:	16

1 EGR 200 preferred, other FYE courses accepted

2 May substitute MA 227 and MA 252 for EGR 265 EGR and EE 254

3 Please refer to the Blazer Core as specified for engineering majors

4 CE 280 preferred; other CAC courses accepted

5 Could replace with EE 4XX