

ELECTRICAL ENGINEERING (EE)
Program of Study — Catalog Year 2020-2021

	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 110 ¹	Introduction to Engineering I	1	Sp	EGR 111 ¹	Introduction to Engineering II	1
	F, Sp, Su	EH 101	English Composition I	3	F, Sp, Su	EH 102	English Composition II	3
	F, Sp, Su	MA 125	Calculus I	4	F, Sp, Su	MA 126	Calculus II	4
	F, Sp, Su	ME 102	Engineering Graphics	2	F, Sp, Su	PH 221/R/L	General Physics I and Lab	4
					F, Sp, Su	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	CE 210	Statics	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	HFA/SBS ³	Area II/IV Core Curriculum	3	F, Sp, Su	HFA/SBS ³	Area II/IV Core Curriculum	3
			Total Credits:	17			Total Credits:	15
Junior	F, Sp	EE 318	Methods of System Analysis	3	Sp	EE 254 ²	Applied Numerical Methods	3
	F, Sp	EE 333	Engineering Programming using Objects	3	F, Sp	EE 337/L	Introduction to Microprocessors	4
	F	EE 351/L	Electronics	4	Sp	EE 361/L	Machinery I	4
	F	EE 485	Engineering Operations	3	F, Sp	EE 341	Electromagnetics	3
	F, Sp, Su	HFA/SBS ³	Area II/IV Core Curriculum	3	F, Sp, Su	HFA/SBS ³	Area II/IV Core Curriculum	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	HFA/SBS ³	Area II/IV Core Curriculum	3	F, Sp, Su	HFA/SBS ³	Area II/IV Core Curriculum	3
			Total Credits:	15			Total Credits:	16

1 Transfer students may substitute EGR 200 (2hrs) for EGR 110/111

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

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