

# Electrical Engineering

## FRESHMAN YEAR

Fall Semester	17 Credits	Spring Semester	15 Credits
CH 101 Chemistry, A Molecular Science	3	ECE 109 Intro to Computer Systems	3
CH 102 General Chemistry Lab	1	MA 241 Calculus II	4
E 101 Intro to Engr & Prob Solving	1	PY 205 Physics for Engineers and Scientists I	3
E 115 Intro to Computing Environ	1	PY 206 Physics for Engineers and Sci I Lab	1
ENG 101 Acadmic Writing & Research	4	Economics (EC 201/205, ARE 201)	3
MA 141 Calculus	4	HESF 10* HES Fitness Elective	1
GEP Requirement	3		

## SOPHOMORE YEAR

Fall Semester	15 Credits	Spring Semester	16 Credits
ECE 200 Intro to ECE Laboratory	4	COM 110 Public Speaking	3
ECE 209 Computer Systems Programming	3	ECE 211 Electric Circuits	4
MA 242 Calculus III	4	ECE 212 Fund of Logic Des	3
PY 208 Physics for Engineers & Scientists II	3	ECE 220 Analytical Found of ECE	3
PY 209 Physics for Engineers & Sci II Lab	1	GEP Requirement	3

## JUNIOR YEAR

Fall Semester	14 Credits	Spring Semester	16 Credits
ECE 301 Linear Systems	3	ECE 303 Electromagnetic Fields	3
ECE 302 Intro to Microelectronics	4	ECE 380 or 381 or 383	1
ECE 3xx ECE Foundation Elective	3	ECE 3xx ECE Foundation Elective	3
ST 371 Intro to Prob and Dist Theory	3	Open/Technical Elective	3
HES_*** Health and Exercise Studies	1	ENG 331 Comm for Engr & Tech	3
		GEP Requirement	3

## SENIOR YEAR

Fall Semester	15 Credits	Spring Semester	14-15 Credits
ECE 484 ECE Senior Design Project I	3	ECE 485 Senior Design Project II	3
ECE 4xx EE Elective	3	ECE 4xx Elective	3
ECE 4xx EE Elective	3	ECE 4xx Elective	3
Open/Technical Elective	3	GEP Requirement	3
GEP Requirement	3	GEP Requirement	2-3

# Computer Engineering

## FRESHMAN YEAR

Fall Semester	17 Credits	Spring Semester	15 Credits
CH 101 Chemistry, A Molecular Science	3	ECE 109 Intro to Computer Systems	3
CH 102 General Chemistry Lab	1	MA 241 Calculus II	4
E 101 Intro to Engr & Prob Solving	1	PY 205 Physics for Engineers and Scientists I	3
E 115 Intro to Computing Environ	1	PY 206 Physics for Engineers and Sci I Lab	1
ENG 101 Acadmic Writing & Research	4	Economics (EC 201/205, ARE 201)	3
MA 141 Calculus	4	HES_*** Health and Exercise Studies	1
GEP Requirement	3		

## SOPHOMORE YEAR

Fall Semester	15 Credits	Spring Semester	16 Credits
ECE 200 Intro to ECE Laboratory	4	COM 110 Public Speaking	3
ECE 209 Computer Systems Programming	3	CSC 226 Discrete Mathematics	3
MA 242 Calculus III	4	ECE 211 Electric Circuits	4
PY 208 Physics for Engineers & Scientists II	3	ECE 212 Fund of Logic Des	3
PY 209 Physics for Engineers & Sci II Lab	1	ECE 220 Analytical Found of ECE	3

## JUNIOR YEAR

Fall Semester	16 Credits	Spring Semester	14 Credits
ECE 301 Linear Systems	3	ECE 309 Object-Oriented Programming	3
ECE 302 Intro to Microelectronics	4	ECE 380 or 381 or 383	1
ECE 306 Intro to Embedded Systems	3	ECE 310 Design of Complex Digital Sys	3
ENG 331 Comm for Engr & Tech	3	Open/Technical Elective	3
ST 371 Intro to Prob and DistTheory	3	ENG 331 Comm for Engr & Tech	3
		HES_*** Health & Exercise Studies	1

## SENIOR YEAR

Fall Semester	15 Credits	Spring Semester	14-15 Credits
ECE 484 ECE Senior Design Project I	3	ECE 485 Senior Design Project II	3
ECE 4xx CPE Elective	3	ECE 4xx Elective	3
ECE 4xx CPE Elective	3	ECE 4xx Elective	3
GEP Requirement	3	GEP Requirement	2-3
GEP Requirement	3	GEP Requirement	3