

Sample Plan

4 Year

Year 1 Fall 18 units 16 units Spring	EE 105 Introduction to Electrical Engineering 4 units	EE 141L Applied Linear Algebra for Engineering 4 units EE 105	EE 155L Introduction to Computer Programming for Electrical Engineers 4 units	ENGR 102 Viterbi First-Year Academy WRIT 150 Writing and Critical Reasoning—Thematic Approaches ENGR: 2 units, WRIT: 4 units
	MATH 129 Calculus II for Engineers and Scientists 4 units MATH 125	PHYS 151Lg Fundamentals of Physics I: Mechanics, Oscillations and Waves 4 units MATH 129	EE 109L Introduction to Embedded Systems 4 units EE 155L	GE-B: GESM 120g Seminar in Humanistic Inquiry 4 units
Year 2 Fall 16 units 16 units Spring	MATH 229 Calculus III for Engineers and Scientists 4 units MATH 129	PHYS 152L Fundamentals of Physics II: Electricity and Magnetism 4 units PHYS 151Lg, MATH 129 MATH 229	EE 250L Distributed Systems for the Internet of Things 4 units EE 109L	GE-A: General Elective The Arts Any GE-A course (see catalogue) 4 units
	MATH 245 Mathematics of Physics and Engineering I 4 units MATH 229	PHYS 153L Fundamentals of Physics III: Optics, Thermo, Modern Physics 4 units PHYS 152L	EE 202L Linear Circuits 4 units MATH 245	GE-C: General Elective Social Analysis Any GE-C course (see catalogue) 4 units
Year 3 Fall 16 units 16 units Spring	EE 364 Probability and Statistics for Engineers and Computer Scientists 4 units MATH 225/245	EE 370L Electromagnetics for Engineering Systems 4 units EE 202L, PHYS 152L/162L	EE 301 Linear Systems 4 units EE 141L, MATH 126/129	WRIT 340 Advanced Writing and Critical Engagement 4 units WRIT 150
	ECE Area Elective Appropriate 3xx-4xx ECE course (see advisor) 4 units	EE 355x Software Design for Electrical Engineers 4 units EE 155L	EE 460 Machine Learning for Engineers 4 units EE 141L, EE 155L EE 301, EE 364	GE-D: BISC 104Lgx/120Lg/121Lg/220Lg/221Lg/230Lgx HBIO 205Lgx Choose one (see catalogue) 4 units
Year 4 Fall 14 units 16 units Spring	ECE Area Elective Appropriate 3xx-4xx ECE course (see advisor) 4 units	ECE Area Elective Appropriate 3xx-4xx ECE course (see advisor) 4 units	Free Elective Go wild! 2 units	GE-G/H: General Elective Global Perspectives I/II Any GE-G or GE-H course (see catalogue) 4 units
	ECE Area Elective Appropriate 3xx-4xx ECE course (see advisor) 4 units	Free Elective Go wild! 4 units	ECE Capstone EE 496L or EE 494ab 4 units	GE-G/H: General Elective Global Perspectives I/II Any GE-G or GE-H course (see catalogue) 4 units

Legend

Grouping

EE 000 Course Title

Course Units

Recommended Prep.

Prerequisite Courses

Coresquisite Courses

Engineering,
Mathematics,
and
Lab Sciences

Electrical and
Computer
Engineering
Core Course

Electrical and
Computer
Engineering
Area Elective

Electrical and
Computer
Engineering
Capstone