

How to Find and Use a Sample Four-Year Plan

1. Download the [Sample Four-Year Plan](#) for your major from the College of Engineering website:
For Current Students > Programs of Study (Majors), Minors, Certificates > Click into your Major

2. Review the information on the Sample Four-Year Plan

This is the order of courses for a four-year plan of each major as recommended by the departments. Reach out to your advisor to discuss possible changes based on your individual needs.

Indicates the semesters the course is offered

F – Fall
S – Spring
F/S – Fall & Spring
ALL – Fall, Spring, & Summer

Prerequisite (P)
Courses you need to complete PRIOR to taking that course

Corequisite (C)
Courses you need to complete AT THE SAME TIME or PRIOR to taking that course

ELECTRICAL ENGINEERING: Electrical
Department of Electrical and Computer Engineering



Sample Four-Year Plan			
First Year			
1st Semester	sh	2nd Semester	sh
ALL RHET:1030 Rhetoric	4	ALL General Education Course	3
F/S MATH:1550 Math I: Single Variable Calculus (P: ALEKS score ≥ 75 or MPT Level 3 score ≥ 0)	4	F/S MATH 1560 Math II: Multivariable Calculus (P: MATH:1550)	4
ALL CHEM:1110 Principles of Chemistry I (P: ALEKS score ≥ 55 or MPT Level 3 score ≥ 0)	4	ALL MATH:2550 Math III: Matrix Algebra (P: MATH:1550)	2
F ENGR:1000 Engineering Success for First-Year Students (First semester standing)	1	ALL PHYS:1611 Introductory Physics I / Lab (C: MATH:1550)	4
F ENGR:1100 Intro to Engineering Problem Solving	3	F/S ENGR:1300 Intro to Engineering Computing (C: MATH:1550)	3
	16		16
Second Year			
3rd Semester	sh	4th Semester	sh
ALL General Education Course	3	F/S MATH:3550 Engineering Math V: Vector Calculus (P: MATH:1560 & MATH:2550; C: MATH:2560)	3
ALL MATH:2560 Math IV: Differential Equations (P: MATH:1550 & MATH:2550)	3	F/S STAT:2020 Probability & Statistics For Engr & Phys Sci (P: MATH:1550)	3
F/S PHYS:1612 Introductory Physics II (P: PHYS:1611; C: MATH:1550)	4	S PHYS:2704 Physics IV (P: PHYS:1612 & MATH:1550)	3
F/S ENGR:2120 Electrical Circuits (C: MATH:2560)	3	F/S ECE:2400 Linear Systems I (P: ENGR:2120 & MATH:2500)	3
F/S ENGR:2730 Computers in Engineering (P: ENGR:1300)	3	F/S ECE:2410 Principles of Electronic Instrumentation (P: PHYS:1612, ENGR:2120, & MATH:2500)	4
	16		16
Third Year			
5th Semester	sh	6th Semester	sh
F ECE:3000 Professional Seminar: Electrical Engineering (Junior Status)	1	ALL General Education Course	3
F ECE:3320 Intro to Digital Design (Sophomore Status)	3	F/S ECE:3360 Embedded Systems (P: ENGR:2730 & ECE:3320; C: ECE:2410)	3
F ECE:3400 Linear Systems II (P: ECE:2400)	3	S ECE:3500 Communication Systems (P: ECE:2400)	3
	7		9
			17

Sequence

Many courses are sequential in nature, meaning they should be taken in a certain order. Pay close attention to prerequisites and corequisites of courses, as well as when the courses are offered each academic year.

Look at the prerequisite sequence above starting with ENGR:2120, Electrical Circuits in the 3rd semester, which has a corequisite of MATH:2560, Engineering Math IV. Notice that some of the courses in the sequence are only offered in certain semesters (ECE:3400 – fall only, ECE:3500 – spring only).