

4-Year Academic Plan: Engineering - Civil Concentration

The following is a sample outline demonstrating 4-year completion of this bachelor's degree. Each student's reality will vary slightly, as this plan does not include transfer work, Advanced Placement (AP), or concurrent enrollment credits. Math and English placement will be based on the student's ACT/SAT scores. PLEASE NOTE: The following plan assumes students are prepared to take the Math course listed. If prerequisites are required, additional semesters may be required to complete degree.

This is a **GUIDE ONLY**. Please meet with your academic advisor and consult DegreeWorks for specifics.

1st Year Fall (16 credits)					1st Year Spring (17 credits)				
ENGL	1010	Intro.toAcademicWriting	3	F/S/Su	ENGL	2010	Intermediate Writing	3	F/S/Su
XXXX	XXXX	GE Knowledge Area	3	F/S/Su	INFO	1010	Information Literacy	1	F/S/Su
MATH	1210	Calculus I	4	F/S/Su	MATH	1220	Calculus II	4	F/S
CHEM	1210/15	Principles of Chemistry I/Lab	4/1	F/Su	XXXX	XXXX	GE Knowledge Area	3	F/S/Su
ENGR	1000	Engineering Success Skills	1	F/S	PHYS	2210/15	Physics for Science & Engrs/Lab	4/1	F/S/Su
					ENGR	1050	Intro to Engineering Design	1	F/S
2nd Year Fall (15 credits)					2nd Year Spring (15 credits)				
XXXX	XXXX	American Institutions	3	F/S/Su	ENGR	2140/45	Strength of Materials/Lab	3/1	F/S
MATH	2250	Linear Algebra & Differential Eq	4	F	ENGR	2250/55	Electric Circuits/Lab	3/1	F/S/Su
PHYS	2220/25	Physics for Science & Engr II/Lab	4/1	F/S	ENGR	2030	Dynamics	3	F/S
ENGR	2010	Statics	3	F/S	MATH	1040	Statistical Inference	4	F/S/Su
3rd Year Fall (15 credits)					3rd Year Spring (16 credits)				
CCET	1040	Intro to Res Arch using AutoCAD	3	F/S	ENGR	3030	Project Management	3	S
ENGR	3000	Thermodynamics	3	F	ENGR	3050/55	Fluid Mechanics/Lab	3/1	S/Su
ENGR	4050	Structural Analysis	3	F	ENGR	4100	Reinforced Concrete Design	3	S
ENGR	XXXX	Engineering Elective (see list)	3	S	CCET	3670	Civil Design	3	S
XXXX	XXXX	GE Knowledge Area	3	F/S/Su	CM	XXXX	CM Elective (see list)	3	F/s
4th Year Fall (14 credits)					4th Year Spring (13 credits)				
GEOG	3550/55	Princ of Geographic Info Sys/Lab	3/2	F	ENGR	4085	Engineering Capstone Design Lab II	3	S
ENGR	4025	Engr Capstone Design Lab I	3	F	ENGR	XXXX	Engineering Elective (see list)	3	S
ENGR	XXXX	Engineering Elective (see list)	3	S	ENGL	3150	Grant & Technical Writing or	3	S
					COMM	4240	Technical Writing		F/S
XXXX	XXXX	GE Knowledge Area	3	F/S/Su			Free elective to total 120 and 40 UD	3	

Color Key:

General Education Courses (green)

Major-required courses that also fulfill GE requirement (purple)

Major Courses (black)

Electives/minor/etc. (red)

Must pass or attempt the FE exam twice

Engineering Electives: ENGR 3010, 3700, 4000/05, 4010, 4030/35, 4060/65, 4300, 4710/15, 4900

CM Electives: CM 2040, 3240, 3880, 4550, 4600