

2006-2008 CATALOG YEAR

SIX YEAR PLAN - CIVIL ENGINEERING

This is a suggested schedule for students wishing to complete their degree in 6 years. Students are encouraged to meet regularly with an advisor.

1st Year

Fall Semester		Spring Semester	
Course	Units	Course	Units
MATH 093 – Developmental Mathematics II †	5	MATH 102 – College Algebra †	3
ENGL 097 – Developmental Reading †	3	ENGL 098 – Developmental Writing †	3
GE Course *	3	CHEM 100 – Principles of Chemistry †	3
		GE Course *	3
Total Units	11	Total Units	12

2nd Year

Fall Semester		Spring Semester	
Course	Units	Course	Units
CE 196CE/L – Intro Civil Engineering & Lab	2	MATH 150A – Calculus I	5
MATH104 – Trig & Analytic Geometry †	3	Oral Communication (ex. COMS 151/L)	3
CHEM 101/L – Gen. Chem. & Laboratory	5	Government (ex. POLS 155)	3
Freshman Composition (ex. ENGL 155)	3		
Total Units	13	Total Units	11

3rd Year

Fall Semester		Spring Semester	
Course	Units	Course	Units
MATH 150B – Calculus II	5	MSE 227 – Engr. Materials & Lab	4
PHYS 220A – Mechanics and Laboratory	4	MATH 250 – Calculus III	3
American Hist. (ex. HIST 270 or 271)	3	GE Course *	3
Total Units	12	Total Units	10

4th Year **

Fall Semester		Spring Semester	
Course	Units	Course	Units
CE 240 – Engineering Statics	3	CE 280/L – Comp. App. in CE and Lab.	2
MATH 280 – Applied Diff. Equations	3	CE 340 – Strength of Materials	3
PHYS 220B – Elec. & Mag. Laboratory	4	ECE 240 – Elect. Engr. Fund.	3
ME 370 – Thermodynamics	3	GE Course *	3
Total Units	13	Total Units	11

5th Year **

Fall Semester		Spring Semester	
Course	Units	Course	Units
CE 308 – Surveying and Laboratory	3	CE 408 – Surveying with GPS App. and Lab.	2
AM 316 – Engineering Dynamics	3	CE 335 – Structures I and Laboratory	4
AM 317 – Mechanics Laboratory	1	ME 309 – Num. Anal. Of Engr. Sys.	2
ME 390 – Fluid Mechanics	3	MSE 304 – Engineering Economics	3
MSE 362 – Engineering Statistical App.	3		
Total Units	13	Total Units	11

6th Year

Fall Semester		Spring Semester	
Course	Units	Course	Units
AM 410 – Mechanical Vibrations	3	CE 438 – Reinforced Concrete Design	3
CE 426 – Soil Mechanics & Lab	4	CE 488B – Senior Design II Laboratory	2
CE 439 – Structural Steel Design	3	CE 526 – Geotechnical Foundation Design	3
CE 460 – Hydrology and Laboratory	3	ME 493 – Hydraulics	3
CE 488A – Senior Design I and Laboratory	2	GE Course *	3
Total Units	15	Total Units	14

† These courses do not count towards an Engineering Degree

* Nine (9) of these units **must** be upper division GE after the student has completed sixty (60) units of course work.

** Upper Division writing exam should be completed during the 3rd or 4th Year.

Revised 11/24/07