

## CIVIL ENGINEERING COURSE PLAN BY SEMESTER

**FOUNDATIONS**

For suggestions as to which Foundations courses to take speak with an advisor, or go to our web site.

**ADMISSION TO UPPER DIVISION**

Please see our web site concerning the requirements for taking Upper Division courses.

**ELECTIVE OFFERINGS**

For a list of upcoming elective offerings go to our web site.

**TOTAL CREDITS:  
123-125**

FIRST YEAR					
Fall Semester			Spring Semester		
ENGL 101	Introduction to College Writing	3	ENGL 102	Intro to College Writing and Research	3
CHEM 111	General Chemistry I	3	CHEM 112	General Chemistry II	3
CHEM 111L	General Chemistry I Lab	1	CHEM 112L	General Chemistry II Lab	1
MATH 170	Calculus I	4	MATH 175	Calculus II	4
ENGR 120	Introduction to Engineering	3	PHYS 211	Physics I with Calculus	4
UF 100	Intellectual Foundations	3	PHYS 211L	Physics I with Calculus Lab	1
17			16		

SECOND YEAR					
Fall Semester			Spring Semester		
CE 210 #	Engineering Surveying	2	CE 280	Civil Engineering Case Studies	2
CE 211 #	Engineering Surveying Lab	1	CE 282 **	Engineering Practice	3
ENGL 202	Technical Communication	3	CE 350 or ME 350	Engineering Mechanics of Materials	3
ENGR 210	Engineering Statics	3	CMGT 240	Intro to Construction Management	3
MATH 275	Multivariable & Vector Calculus	4	ENGR 220	Engineering Dynamics	3
UF 200	Civic and Ethical Foundations	3	MATH 333	Differential Equations with Matrix Theory	4
16			18		

The following courses must be completed in order to apply for **Admission to Upper Division**:  
CE 280, CE 350, CHEM 112, MATH 275 and MATH 333  
Please check our web site for the minimum GPA required in these courses and other requirements to be met for a successful application.

THIRD YEAR					
Fall Semester			Spring Semester		
CE 320 #	Principles of Environmental Engineering	3	CE 330 or ME 330	Fluid Mechanics	3
CE 321 #	Principles of Environmental Engineering Lab	1	CE 331 or ME 331	Fluid Mechanics Lab	1
CE 341	Construction Materials Lab	1	CE 360 **	Engineering Properties of Soils	3
CE 352 #	Structures I	3	CE 361 **	Engineering Properties of Soils Lab	1
ENGR 240	Introduction to Circuits	3	CE 370 **	Transportation Engineering Fundamentals	3
ENGR 245	Intro to Materials Science	3	ME 302	Thermodynamics I	3
DLV	<i>Visual and Performing Arts</i>	3			
17			14		

FOURTH YEAR					
Fall Semester			Spring Semester		
CE 481 #	Senior Design Project I	1	CE 483 **	Senior Design Project II	3
CE DE	CE Design Elective	3	CE TE	CE Technical Elective	3
CE TE	CE Technical Elective	3	Tech	Technical Elective	3
Sci	Science Elective	3-4	DLL	<i>Literature and Humanities</i>	3-4
DLS	<i>Social Sciences</i>	3			
13-14			12-13		

# - Offered **FALL** only

\*\* - Offered **SPRING** only

Bachelor of Science in Civil Engineering

