

**CIVIL ENGINEERING
COURSE PLAN BY SEMESTER**

FOUNDATIONS
Please speak with an academic advisor or refer to our website for suggestions of which Foundations courses to take.

FIRST YEAR					
Fall Semester			Spring Semester		
CMGT 120	Introduction to Construction Management	3	CE 280	Civil Engineering Case Studies	2
ENGL 101	Introduction to College Writing	3	CE 282	Engineering Practice	3
ENGR 120 or ENGR 130	Introduction to Engineering or Introduction to Engineering Applications	3-4	ENGL 102	Introduction to College Writing and Research	3
MATH 170	Calculus I: Concepts and Applications	4	MATH 175	Calculus II: Concepts and Applications	4
UF 100	Intellectual Foundations	3	PHYS 211	Physics I with Calculus	4
			PHYS 211L	Physics I with Calculus Lab	1
			16-17		
			17		

SECOND YEAR					
Fall Semester			Spring Semester		
CE 210 #	Engineering Surveying	2	CE 286	Introduction to AutoCAD for Civil Engineers	2
CE 211 #	Engineering Surveying Lab	1	CHEM 112	General Chemistry II	3
CHEM 111	General Chemistry I	3	CHEM 112L	General Chemistry II Laboratory	1
CHEM 111L	General Chemistry I Laboratory	1	CE 350 or ME 350	Engineering Mechanics of Materials	3
ENGR 210	Engineering Statics	3	ENGL 202	Introduction to Technical Communication	3
MATH 275	Multivariable and Vector Calculus	4	MATH 333	Differential Equations with Matrix Theory	4
UF 200	Civic and Ethical Foundations	3			
			17		
			16		

ADMISSION TO UPPER DIVISION
Please refer to our website concerning requirements for taking Upper Division courses.

The following courses must be completed in order to apply for **Admission to Upper Division**:
CE 280, CE 282, CHEM 112, CE/ME 350, 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 284 or CS 117	Civil Engineering Computational Methods or C++ for Engineers	2-3	CE 330 or ME 330	Fluid Mechanics	3
CE 320 #	Principles of Environmental Engineering	3	CE 331 or ME 331	Fluid Mechanics Lab	1
CE 321 #	Principles of Environmental Engineering Lab	1	CE 360 **	Engineering Properties of Soils	3
CE 340 #	Engineering Properties of Construction Materials	3	CE 361 **	Engineering Properties of Soils Lab	1
CE 341	Construction Materials Lab	1	CE 370 **	Transportation Engineering Fundamentals	3
CE 352 #	Structures I	3	ME 302 or ENGR 240	Thermodynamics I or Electrical and Electronic Circuits	3
ENGR 220	Engineering Dynamics	3	DLV	Visual and Performing Arts	3
			16-17		
			17		

ELECTIVE OFFERINGS
Please refer to our website for a list of upcoming elective course offerings.

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	TechE	Technical Elective	3
SciE	Science Elective	3-4	DLL	Literature and Humanities	3-4
DLS	Social Sciences	3			
			13-14		
			12-13		

TOTAL CREDITS:
124-128

- Offered **FALL** only

** - Offered **SPRING** only

