

**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.

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
CE 284 or CS 117	Engineering Computational Methods or Introduction to C++	2 3	CE or ME 350	Engineering Mechanics of Materials	3
ENGR 210	Engineering Statics	3	ENGL 202	Technical Communication	3
MATH 275	Multivariable & Vector Calculus	4	MATH 333	Differential Equations with Matrix Theory	4
UF 200	Civic and Ethical Foundations	3	15		
15-16					

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.

ADMISSION TO UPPER DIVISION

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

THIRD YEAR					
Fall Semester			Spring Semester		
CE 320 #	Principles of Environmental Engineering	3	CE or ME 330	Fluid Mechanics	3
CE 321 #	Principles of Environmental Engineering Lab	1	CE or ME 331	Fluid Mechanics Lab	1
CE 340 or ENGR 245	Engineering Properties of Construction Materials or Intro to Materials Science	3	CE 360 **	Engineering Properties of Soils	3
CE 341	Construction Materials Lab	1	CE 361 **	Engineering Properties of Soils Lab	1
CE 352 #	Structures I	3	CE 370 **	Transportation Engineering Fundamentals	3
ENGR 220	Engineering Dynamics	3	CMGT 120	Intro to Construction Management	3
DLV	Visual and Performing Arts	3	ME 302 or ENGR 240	Thermodynamics I or Introduction to Circuits	3
17			17		

ELECTIVE OFFERINGS

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

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	Literature and Humanities	3-4
DLS	Social Sciences	3	12-13		
13-14					

TOTAL CREDITS: 122-125

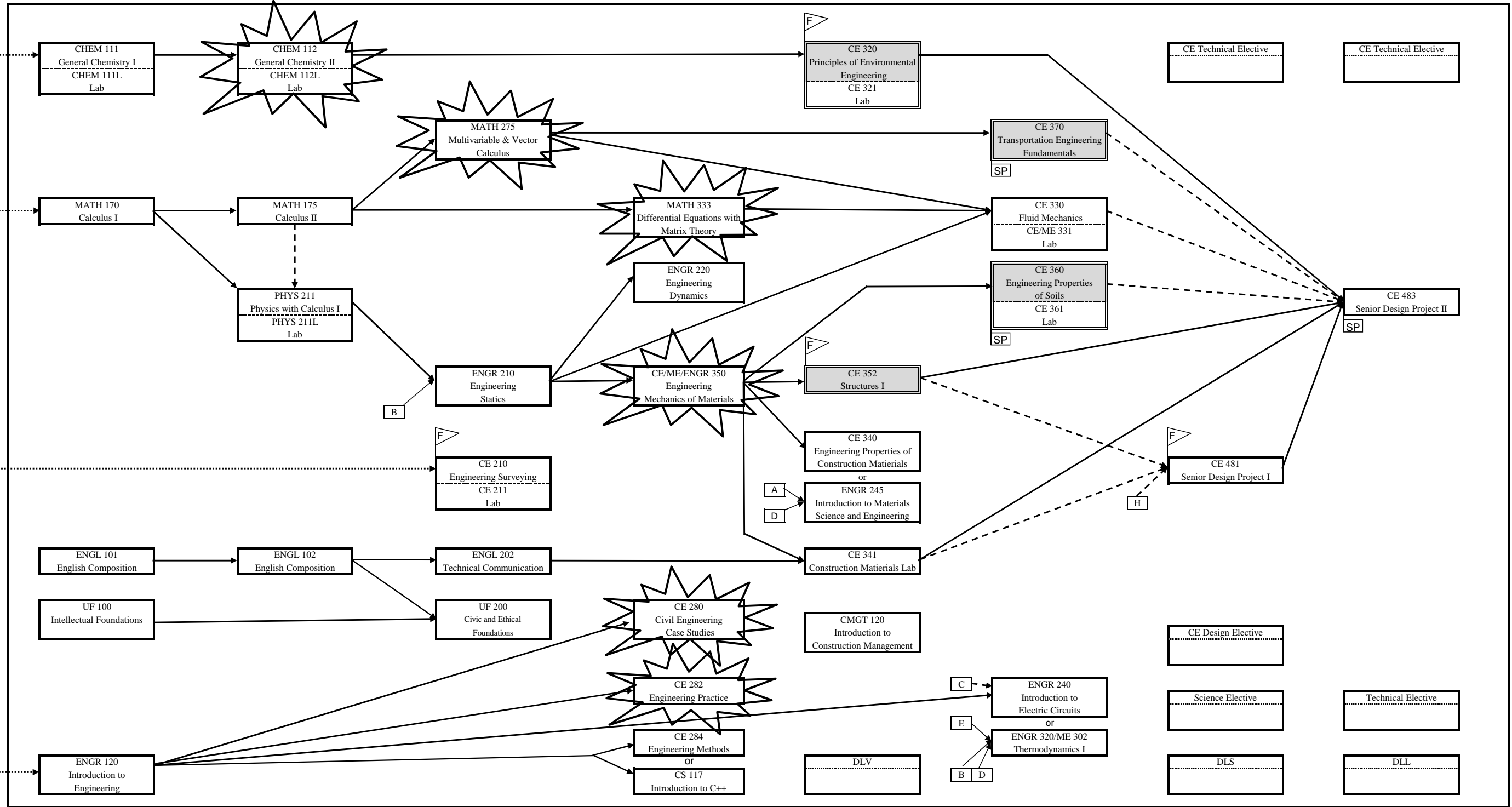
- Offered **FALL** only

** - Offered **SPRING** only

Undergraduate Catalog 2015-2016

Bachelor of Science in Civil Engineering

MATH 143 & MATH 144 [or MATH 147] or Equivalent - Not Specifically Required for this Degree



-> Prerequisite, but not part of the curriculum
- > Prerequisite
- - - -> Corequisite

- Courses requiring Upper Division standing
- Required course for Admission to Upper Division

- Offered Fall Only
- SP Offered Spring Only

- A = MATH 170
- B = MATH 175
- C = MATH 333

- D = CHEM 111
- E = PHYS 211

- H = CE 320