

### SEMESTER 1

GE 100 Fundamentals of Engineering	3 Cr.
GE 199 Engineering Seminar	0 Cr.
CORE 110 The Human Experience	5 Cr.
MATH 131 Analytic Geom. & Calc. I	4 Cr.
PHYS 141 Mechanics and Heat	3 Cr.
PHYS 141L Experimental Physics I	1 Cr.

### SEMESTER 2

CE 151 Construction Surveying	3 Cr.
GE 109 Mechanics-Statics	3 Cr.
CORE 115 The Human Experience	5 Cr.
MATH 132 Analytic Geom. & Calc. II	4 Cr.
PE 100 Healthy Lifestyles	1 Cr.

### SEMESTER 3

CE 202 Stat. Applic. in Civil Engr.	3 Cr.
CE 215 Mechanics of Materials	3 Cr.
CHEM 115 Essentials of Chemistry	4 Cr.
ENGL 300 Intro. to Prof. Writing	3 Cr.
MATH 253 Calculus III	3 Cr.

## SEMESTER 4

CE 212 Materials Engineering	3 Cr.
CE 216 Intro to Structural Engr.	3 Cr.
CE 252 Intro. to Transportation Engr.	3 Cr.
CHEM 116 Applic. of Chem. in Engr.	4 Cr.
MATH 234 Diff. Eq. & Lin. Algebra	4 Cr.

## SEMESTER 5

CE 317 Des. of Concrete Structures	3 Cr.
CE 320 Soil Mechanics	4 Cr.
CE 334 Fluid Mechanics	4 Cr.
CE 364 Environmental Engr. I	4 Cr.

## SEMESTER 6

CE 318 Design of Steel Structures	3 Cr.
CE 322 Soil & Foundation Engr.	3 Cr.
CE 332 Hydrology	3 Cr.
CE 354 Des. of Transportation Facilities	3 Cr.
CE 365 Environmental Engr. II	3 Cr.
THEO 200 The Christian Tradition	3 Cr.

## SEMESTER 7

CE 493 Project and Planning Mgt.	3 Cr.
Civil Engineering Elective	3 Cr.
Civil Engineering Elective	3 Cr.

GE 301 Fin. & Ethical  
Decisions in Engr. 3 Cr.  
Humanities, Soc. Sci, Theo 3 Cr.  
Elective  
Free Elective 3 Cr.

## SEMESTER 8

CE 494 Senior Design Project 3 Cr.  
Civil Engineering Elective 3 Cr.  
Technical Elective 3 Cr.  
Foreign Lang./Cultural Div. 3-4 Cr.  
Elective  
Humanities, Soc. Sci, Theo 3 Cr  
Elective

Total credits required for graduation = 132 Credits

Cooperative Education: Students may request to substitute up to three (3) credits of GE 481 through GE 483 for the civil engineering Technical Electives.

Civil Engineering Electives: These nine (9) credits are to be selected from the array of civil engineering electives provided.

Technical Elective: The technical elective requirement may be met by taking a course from an approved list of courses available from the department chair. Other choices may be made available by petition to the CE department.