May be taken concurrently with MATH 152 (indicated by dashed arrow).

Course Key:

Chem 131,135 Engineering Chemistry and Lab
CE 204 Engineering Graphics and CAD
CE 206 Engineering Surveying
CE 240 Statics
CE 242 Mechanics of Solids
ECON 111 Macroeconomics
ENG 101, 102 English Comp. I and II
MATH 150,152, 250 Calculus I, II, and III
MATH 305 Differential Equations
ME 262 Dynamics
PHYS 141,151L,142,152L Univ. Physics I and II and Labs
ACS 103 Interpersonal Communication Skills

UPPER DIVISION COURSES
(All pre-engineering courses should be completed before a student is allowed to take upper-division civil engineering courses)

General Studies Requirements
(See Civil Engineering Curriculum Guide for Additional Important Info)
ACS 103 (EUSC)
ECON 111
IE 106 (NFS)
Life Science Course (BLS)
Fine & Performing Arts (BFPA)
Interdisciplinary Studies (IS)(EGC)(EUSC)
Health Experience (EH)
PRE before taking Upper Division Civil Engineering Courses

LOWER DIVISION PRE-ENGINEERING COURSES (must be completed before taking Upper Division Civil Engineering Courses)

1 May be taken concurrently with CE 315. 2 May be taken concurrently with CE 330.
3 May be taken concurrently with 460. 4 May be taken concurrently with CE 445, but CE 343 is a prerequisite and cannot be taken concurrently.
5 Either 416, 492-11, or 455 must be taken as part of the student's program. CE 416 may be taken concurrently with CE 354, but CE 315 is a prerequisite and cannot be taken concurrently. 6 Courses without a "CE" prefix do not require admission to CE upper division to enroll, but do have their own prerequisites (check with your advisor).

Solid arrows indicate prerequisites. Dashed arrows indicate classes may be taken concurrently.

Course Key:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 380 3</td>
<td>ECE 210 3</td>
<td>ME 310 3</td>
<td>PHIL 323 3</td>
<td>IE 345 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 210 3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Environmental/Water

CE 380

Environmental/Transportation

CE 380

Geotechnical

CE 415L App. Fluids Lab
CE 416 Eng. Hydrology
CE 435 Pavement Des.
CE 441 Des. Timber Struc.
CE 443 Adv. Struct. Analysis

CE 416 Eng. Hydrology
CE 455 Foundation Design
CE 457 Soil Mech in Eng.
CE 460 Municipal Infra. Des.
CE 473 Travel Dem. Forecast.
CE 474 Computer Simulation
CE 475 Transp. Planning

CE 457
CE 458
CE 476 Traffic Studies
CE 492-12 Env. Geotech.
CE 476 Traffic Studies
CE 492-12 Env. Geotech.
CE 493 Engineering Des.
CE 493 Engineering Des.
CE 487 Water Treat. Des.
CE 493 Engineering Des.
CE 493 Engineering Des.
CE 493 Engineering Des.
CE 493 Engineering Des.
CE 493 Engineering Des.
CE 493 Engineering Des.

CE 493 Engineering Des.
CE 493 Engineering Des.
CE 493 Engineering Des.
CE 493 Engineering Des.
CE 493 Engineering Des.
CE 493 Engineering Des.
CE 493 Engineering Des.
CE 493 Engineering Des.