### Construction Engineering

#### COURSE MATRIX 2009-2011 General Catalog

#### Heavy/Highway Emphasis

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<tr>
<th>1 Fall</th>
<th>1 Spring</th>
<th>2 Fall</th>
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<th>3 Fall</th>
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<tbody>
<tr>
<td><em>CE 160 Eng Prob w/Comp Lab</em></td>
<td><em>Math 166 Calculus II</em></td>
<td>CE 111 (3) Fund of Surveying I</td>
<td>ConE 251 (1) M/E Materials and Methods</td>
<td>Law Elective</td>
<td>ConE 380 or Acct 215</td>
<td>Engrg Topics Elective5</td>
<td>ConE 441 Constr Plng, Sch &amp; Cont</td>
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<tr>
<td><em>Math 165 Calculus I</em></td>
<td><em>Intro Phys II</em></td>
<td>Math or Stat Elective3</td>
<td>Math 266 (3) Elem Differential Eqn</td>
<td>EM 378s Mech of Fluids</td>
<td>EM 360s Soils Engrg</td>
<td>CE 382 Dsgn of Ptlnd Cem Concr</td>
<td>ConE 488 Constr Engrg Design II</td>
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<td><em>Chem 167</em></td>
<td><em>Engl 250&quot; WOVE Communication</em></td>
<td>Phys 222 (5) Intro to Classical Physics II</td>
<td>EM 274s Statics of Engrg</td>
<td>EM 324s Mech of Matls</td>
<td>CE 332s Struc Analysis I</td>
<td>CE 333 Struc Dsgn Stl I</td>
<td>CE 334 Reinf Concr Dsgn I</td>
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<td>ConE 121 Learning Community</td>
<td>Stat 105 (3) Statistics for Engineers</td>
<td>Acct 284 (3) Fin Acct</td>
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<td><em>Lib 160 Libr Instr</em></td>
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#### Transfer Grade Requirements:
The department requires a grade of C or better for any transfer credit course that is applied to the degree program.

1) Minimum grade ENGL courses: C in each

*Denotes Basic Program course

3) Math or Statistics Elective

| Math 265 (4) | Math 307 (3) | Stat 401 (4) | Stat 447 (3) |

4) Engr Topics Electives

5 Credits Required For Heavy Emphasis

- CE 326 (3) ConE 490 (1)
- CE 372 (4) EM 345 (3)
- CE 417 (3) EE 314x (3)
- CE 446 (3) MatE 272 (2)
- CE 460 (3) Geol 201 (3) Fall only
- ConE 381A & ConE 481A (2)
- Any CE 500-level course.

5) Heavy Emphasis Core Courses

Building Core Classes Require a MINIMUM Cumulative 2.00 GPA

- EM 274 (3)
- EM 324 (3)
- ConE 322 (3)
- EM 378 (3)
- CE 360 (3)
- ConE 421 (3)
- CE 332 (3)
- ConE 340 (3)
- 24

Total credits required, undergraduate program: Heavy Emphasis 123.5

Revised 9/2010 (af)