# CIVIL ENGINEERING

## 2009-2010 UCF Catalog  
(128 Hour Program)

**Department of Civil, Environmental, and Construction Engineering**  
Department Academic Advisor: Carol Ann Pohl – EN2 211G

### First Year Fall (14)  
- *ENC 1101 - Engl Comp I*  
- *MAC 2311 – Calc w/Analytic Geom I*  
- *ANT/PSY/SYG*  
- *ECO 2013 or ECO 2023 - Economics*  
- EGN 1006 - Intro to Engr Prof

### First Year Spring (14)  
- *ENC 1102 - Engl Comp II*  
- *MAC 2312 – Calc w/Analytic Geom II*  
- *PHY 2048/L - Physics Engr I/Lab*  
- EGN 3613 – Eng Econ Anal  
- EGN 1007 - Engr Concept and Meth

### Second Year Fall (14)  
- *MAC 2313 – Calc w/Analytic Geom III*  
- *CHM 2045/L - Chem Fund I*  
- *HUM/AMH/EUH - I*  
- EGN 3310 - Engr Mech - Statics

### Second Year Spring (16)  
- *MAP 2302 - Diff Eqns*  
- *CHM 2046C - Chem Fund II*  
- *PHY 2049/L - Physics Engr II/Lab*  
- *GEO/GLY/BSC (GEO 1200 Preferred)*  
- EGN 3321 - Engr Mech - Dynamics

### Second Year Summer (9)  
- *SUR 2101C – Surveying*  
- EGN 3331 - Mechanics of Materials  
- EGN 3001 - Intro to Environ Engr

### Third Year Fall (16)  
- CWR 3201 - Engr Fluid Mechanics  
- CCE 4003 – Intro to Construction  
- *SPC 1608 – Oral Communications*  
- CES 4100C - Structural Analysis I  
- STA 3032 – Prob/Stats for Engrs

### Third Year Spring (16)  
- CWR 4101C - Hydrology  
- CWR 4203C - Hydraulics  
- EGN 3373 - Prin Elec Engr  
- *HUM/AMH/EUH – II*  
- TTE 4004 Transportation Engr

### Fourth Year Fall (14)  
- ENV 4561 – Env Engr Process Design  
- CEG 4011C - Geotechnical Engr  
- CES 4605 Steel Structures  
- Approved Project Design Course

### Fourth Year Spring (15)  
- Approved Project Design Course  
- EGN 3343 – Thermodynamics  
- CES 4702 Reinfrd Concrte Strctrs  
- Or Technical Elective

- CGN 3501 CE Materials  
- *Cultural/Historical Elective*  

### Notes:  
(1) Nine (9) hours minimum summer attendance required by Florida state law.  
(2) CHM 2045 and ENC 1102 include minimum grade requirements of a “C-” or better; EGN 3310 and EGN 3331 include minimum grade requirements of a “C” or better  
(3) Courses indicated with an asterisk (*) can typically be taken within a pre-engineering A.A. at a Florida Community or State College.  
(4) Courses indicated with a diamond (♦) are Common Program Prerequisites (CPP).  
(5) Students transferring to UCF should elect to take an upper level Technical Elective in place of EGN 1006 and EGN 1007.  
(6) CHS 1440 or CHM 2040 AND CHM 2041 may be substituted in place of CHM 2045.  
(7) Students should check CECE Department website for recommended Technical Electives (www.cece.ucf.edu).  
(8) Either CES 4702 or CES 4605 is required.  
(9) All CECE majors are required to take the Fundamentals of Engineering Exam prior to graduation in accordance with the Florida Board of Professional Engineers guidelines (see www.fbpe.org for more information).