# Construction Engineering

## 2015-2016 Catalog (128 Hour Program)

**Department of Civil, Environmental, and Construction Engineering**

**Academic Advisor:** Carol Ann Pohl – EN2 211G

### First Year Fall (14)
- ENC 1101 - Engl Comp I (3)
- MAC 2311C – Calc w/An Geom I (4)
- ANT/PSY/SYG (3)
- EGS 1006C - Intro to Engr Prof (1)

### First Year Spring (15)
- ENC 1102 - Engl Comp (3)
- MAC 2312 – Calc w/An Geom II (4)
- *GEO/GLY/BSC (GEO 1200 recommended) (3)
- EGN 1007C - Engr Concept and Meth (1)

### Second Year Fall (16)
- MAC 2313 – Calc w/Analytic Geom III (4)
- CHS 1440 – Principles of Chemistry (4)
- EGN 3310 - Statics (3)
- EGN 3613 - Engr Econ Anal (2)

### Second Year Spring (16)
- MAP 2302 - Diff Eqns (3)
- EGN 3331 - Mechanics of Materials (3)
- HUM/AMH/EUH/WOH - II (3)
- ENV 3001 – Intro to Envir Engr (3)

### Second Year Summer (9)
- EGN 3321 - Dynamics (3)
- CWR 3201 – Eng Fluid Mechanics (3)
- CCE 4003 – Intro to Construction Ind (3)

### Third Year Fall (17)
- SPC/COM (SPC 1603/1608 Preferred) (3)
- STA 3032 - Prob/Stat Engrs (3)
- CES 4100C - Structural Analysis I (4)
- CCE 4034 Constr Estim. and Sched. (3)
- CCE 4813 Mech. & Elect. Sys for Bldgs (4)

### Third Year Spring (16)
- CCE 4402 Constr Equipt. & Prod. (3)
- CGN 3700C – CE Measurements (4)
- CES 4702 Concrete Structures (3)
- OR CES 4605 Steel Structures (3)
- CCE 4004 Construction Methods (3)
- CGN 3501C – CE Materials (3)

### Fourth Year Fall (14)
- TTE 3810 – Highway Engineering (3)
- OR CEG 4011C - Geotechnical Engr I (4)
- CWR 4632C – Water Resources I (4)
- CCE 4810C Constr Engr Desg Project (3)
- Approved Technical Elective (3)

### Fourth Year Spring (12)
- CGN 4808C – Capstone Design (3)
- ACG 2071 Managerial Accounting (3)
- TTE 4274 – Transportation Engr 2 (3)
- OR CEG 4012 – Geotech Engr 2 (3)

### Notes:
1. Nine (9) hours minimum summer attendance required by Florida state law.
2. Pre-requisite courses for and within this program require a minimum grade of "C" (2.0) 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. Courses indicated with a flag () must be completed to clear the “Pending” status.
6. Students transferring to UCF will take upper level Technical Electives in place of EGS 1006C/EGN 1007C.
8. Either CES 4702 or CES 4605 is required; Either TTE 3810 & TTE 4274 OR CEG 4011C & CEG 4012 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 and the National Council of Examiners for Engineering and Surveying guidelines (see [www.fbpe.org](http://www.fbpe.org) and [www.ncees.org](http://www.ncees.org) for more information)