

# CONSTRUCTION ENGINEERING

2023-2024 Catalog (128 Hour Program)

Department of Civil, Environmental and Construction Engineering

Academic Advisor: Mary Smith – EN2 211G

## First Year Fall

*♦🚧MAC 2311C – Calc w/An Geom I	(4)
♦🚧CHS 1440 – Principles of Chemistry	(4)
EGS 1006C - Intro to Engr Prof	(1)
*ENC 1101 - Engl Comp I	(3)
*ECO/POS	(3)

## First Year Spring

*♦🚧MAC 2312 – Calc w/An Geom II	(4)
*♦🚧PHY 2048/2048L - Physics I & Lab	(4)
EGN 1007C - Engr Concept and Meth	(1)
*ENC 1102 - Engl Comp	(3)
EGN 3613 - Engr Econ Anal	(2)

## Second Year Fall

*♦MAC 2313 – Calc w/Analytic Geom III	(4)
EGN 3310 - Statics	(3)
STA 3032 - Prob/Stat Engrs	(3)
ENV 3001 – Environmental Engineering	(3)
*♦HUM/AMH/EUH/WOH - I	(3)

## Second Year Spring

*♦MAP 2302 - Diff Equations	(3)
EGN 3331C - Mechanics of Materials	(3)
EGN 3321 - Dynamics	(3)
CGN 3405 – Appl Num Meth CE	(3)
*PHY 2049/2049L – Physics II & Lab	(4)

## Second Year Summer

(9)	
*SPC/COM (SPC 1603/1608 Preferred)	(3)
CWR 3201 – Eng Fluid Mechanics	(3)
CCE 4003 – Intro to Construction Ind	(3)

## Third Year Fall

CCE 4034 Constr Estim. and Sched.	(3)
CCE 4813 Mech. & Elect. Sys for Bldgs	(4)
CES 4100C - Structural Analysis I	(4)
CGN 3700C – CE Measurements	(2)
*ANT/PSY/SYG	(3)

## Third Year Spring

(16)	
CCE 4402 Constr Equip. & Prod.	(3)
CEG 4011C - Geotechnical Engr I	(4)
CCE 4004 Construction Methods	(3)
CCE 4810C – Constr Engr Design Proj	(3)
*GEO/GLY/BSC	(3)

## Fourth Year Fall

(14)	
CGN 3501C – CE Materials	(3)
Approved Technical Elective	(2)
ACG 2071 Managerial Accounting	(3)
CWR 4202C – Hydraulics	(3)
*HUM/AMH/EUH/WOH - II	(3)

## Fourth Year Spring

(12)	
CGN 4808C – Capstone Design	(3)
Approved Technical Elective	(3)
Approved Technical Elective	(3)
*Cultural/Historical Elective	(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) Cultural/Historical Elective should be selected from MUL 2010, PHI 2010, THE 2000 to satisfy both State **and** UCF General Education requirements with one course.  
(5) Select courses to satisfy HUM/AMH/EUH/WOH that will satisfy 6 hours of Gordon Rule Requirements.  
(6) Courses indicated with a diamond (♦) are Common Program Prerequisites (CPP).  
(7) Courses indicated with a flag (🚧) must be completed to clear the “Pending” status.  
(8) Transfer Students take an upper level Technical Elective in lieu of EGS 1006C and EGN 1007C.  
(9) See CECE Department website for **recommended** Technical Electives ([www.cece.ucf.edu](http://www.cece.ucf.edu)).  
(10) All CECE majors are required to take the Fundamentals of Engineering Exam prior to graduation in accordance with the National Council of Examiners for Engineering and Surveying guidelines (see [www.ncees.org](http://www.ncees.org) for more information).