

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)	First Year Spring	(15)
*ENC 1101 - Engl Comp I	(3)	*ENC 1102 - Engl Comp	(3)
*♦ⓂMAC 2311C – Calc w/An Geom I	(4)	*♦ⓂMAC 2312 – Calc w/An Geom II	(4)
*ANT/PSY/SYG	(3)	*♦ⓂPHY 2048C - Physics Engr I	(4)
*ECO/POS	(3)	*GEO/GLY/BSC (GEO 1200 recommended)	(3)
EGS 1006C - Intro to Engr Prof	(1)	EGN 1007C - Engr Concept and Meth	(1)

Second Year Fall	(16)	Second Year Spring	(16)
*♦MAC 2313 – Calc w/Analytic Geom III	(4)	*♦MAP 2302 - Diff Eqns	(3)
♦ⓂCHS 1440 – Principles of Chemistry	(4)	EGN 3331 - Mechanics of Materials	(3)
*♦HUM/AMH/EUH/WOH - I	(3)	*PHY 2049C – Physics Engr II	(4)
EGN 3310 - Statics	(3)	*HUM/AMH/EUH/WOH - II	(3)
EGN 3613 - Engr Econ Anal	(2)	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)	Third Year Spring	(16)
*SPC/COM (SPC 1603/1608 Preferred)	(3)	CCE 4402 Constr Equipt. & Prod.	(3)
STA 3032 - Prob/Stat Engrs	(3)	CGN 3700C – CE Measurements	(4)
CES 4100C - Structural Analysis I	(4)	CES 4702 Concrete Structures	(3)
CCE 4034 Constr Estim. and Sched.	(3)	OR CES 4605 Steel Structures	
CCE 4813 Mech. & Elect. Sys for Bldgs	(4)	CCE 4004 Construction Methods	(3)
		CGN 3501C – CE Materials	(3)

Fourth Year Fall	(14)	Fourth Year Spring	(12)
TTE 3810 – Highway Engineering	(3)	CGN 4808C – Capstone Design	(3)
OR CEG 4011C - Geotechnical Engr I	(4)	ACG 2071 Managerial Accounting	(3)
CWR 4632C – Water Resources I	(4)	*Cultural/Historical Elective	(3)
CCE 4810C Constr Engr Desg Project	(3)	TTE 4274 – Transportation Engr 2	(3)
Approved Technical Elective	(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.
(7) See CECE Department website for **recommended** Technical Electives (www.cece.ucf.edu).
(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 and www.ncees.org for more information)