

# CONSTRUCTION ENGINEERING

2020-2021 Catalog (128 Hour Program)

Department of Civil, Environmental and Construction

Engineering Academic Advisor: Dr. Kevin Mackie – EN2 211

<b>First Year Fall</b>	<b>(15)</b>	<b>First Year Spring</b>	<b>(14)</b>
*♦🚧MAC 2311C – Calc w/An Geom I	(4)	*♦🚧MAC 2312 – Calc w/An Geom II	(4)
♦🚧CHS 1440 – Principles of Chemistry	(4)	*♦🚧PHY 2048C - Physics Using Calc I	(4)
EGS 1006C - Intro to Engr Prof	(1)	EGN 1007C - Engr Concept and Meth	(1)
*ENC 1101 - Engl Comp I	(3)	*ENC 1102 - Engl Comp	(3)
*ECO/POS	(3)	EGN 3613 - Engr Econ Anal	(2)
<b>Second Year Fall</b>	<b>(16)</b>	<b>Second Year Spring</b>	<b>(16)</b>
*♦MAC 2313 – Calc w/Analytic Geom III	(4)	*♦MAP 2302 - Diff Eqns	(3)
EGN 3310 - Statics	(3)	EGN 3331C - Mechanics of Materials	(3)
STA 3032 - Prob/Stat Engrs	(3)	EGN 3321 - Dynamics	(3)
ENV 3001 – Environmental Engineering	(3)	CGN 3405 – Appl Num Meth CE	(3)
*♦HUM/AMH/EUH/WOH - I	(3)	*PHY 2049C – Physics Using Calc II	(4)
		<b>Second Year Summer</b>	<b>(9)</b>
		*SPC/COM (SPC 1603/1608 Preferred)	(3)
		CWR 3201 – Eng Fluid Mechanics	(3)
		CCE 4003 – Intro to Construction Ind	(3)
<b>Third Year Fall</b>	<b>(16)</b>	<b>Third Year Spring</b>	<b>(16)</b>
CCE 4034 Constr Estim. and Sched.	(3)	CCE 4402 Constr Equipt. & Prod.	(3)
CCE 4813 Mech. & Elect. Sys for Bldgs	(4)	CEG 4011C - Geotechnical Engr I	(4)
CES 4100C - Structural Analysis I	(4)	CCE 4004 Construction Methods	(3)
CGN 3700C – CE Measurements	(2)	CCE 4810C – Constr Engr Design Proj	(3)
*ANT/PSY/SYG	(3)	*GEO/GLY/BSC	(3)
<b>Fourth Year Fall</b>	<b>(14)</b>	<b>Fourth Year Spring</b>	<b>(12)</b>
CGN 3501C – CE Materials	(3)	CGN 4808C – Capstone Design	(3)
Approved Technical Elective	(2)	Approved Technical Elective	(3)
ACG 2071 Managerial Accounting	(3)	Approved Technical Elective	(3)
CWR 4202C – Hydraulics	(3)	*Cultural/Historical Elective	(3)
*HUM/AMH/EUH/WOH - II	(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 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)