

CIVIL ENGINEERING¹⁰ (128 Hours) 2021-2022

Year 1 Fall (15)

MAC 2311C ^{1,2}	4
CHS 1440 ^{1,2}	4
EGS 1006C ^{2,6}	1
ENC 1001	3
ECO/POS	3

Year 1 Spring (14)

MAC 2312 ^{1,2}	4
PHY 2048/2048L ^{1,2}	4
EGN 1007C ^{2,6}	1
ENC 1102	3
EGN 3613 ²	2

Year 1 Summer (3)

SPC/COM (SPC 1603/1608)	3
<i>Nine (9) hours minimum summer attendance required by Florida state law.</i>	

Year 2 Fall (14)

MAC 2313 ²	4
PHY 2049/2049L ²	4
STA 3032 ²	3
EGN 3310 ²	3

Year 2 Spring (15)

MAP 2302 ²	3
CGN 3700C	3
TTE 3810 ²	3
EGN 3321	3
CGN 3405 ²	3

Year 2 Summer (6)

EGN 3331C ²	3
CWR 3201 ²	3

Choose 1 of the following design course sequences⁸

Transportation Design	Water Resources Design	Geotechnical Design	Structures Design
<u>Third Year Fall (15)</u>	<u>Third Year Fall (15)</u>	<u>Third Year Fall (15)</u>	<u>Third Year Fall (15)</u>
CWR 4202C ² 3	CWR 4202C ² 3	CWR 4202C ² 3	CWR 4202C ² 3
CCE 4003 ² 3	CCE 4003 ² 3	CCE 4003 ² 3	CCE 4003 ² 3
Basic Science ³ 3	Basic Science ³ 3	Basic Science ³ 3	Basic Science ³ 3
ENV 3001 ² 3	ENV 3001 ² 3	ENV 3001 ² 3	ENV 3001 ² 3
TTE 4274 ² 3	Technical Elective ^{6,7} 3	CEG 4011C ² 3	CES 4100C ² 4
<u>Third Year Spring (16)</u>	<u>Third Year Spring (13)</u>	<u>Third Year Spring (16)</u>	<u>Third Year Spring (15)</u>
ANT/PSY/SYG 3	ANT/PSY/SYG 3	ANT/PSY/SYG 3	ANT/PSY/SYG 3
Depth Area 2 Course 1 ⁸ 3	Depth Area 2 Course 1 ⁸ 3	Depth Area 2 Course 1 ⁸ 3	Depth Area 2 Course 1 ⁸ 3
TTE 4300 3	CWR 4120 ² 3	CEG 4012 ² 3	CES 4702 ² 3
CEG 4011C ² 3	CEG 4011C ² 4	CES 4100C ² 4	CES 4605 ² 3
TTE 4601C ² 3		Cultural/Historical/Elect ⁴ 3	HUM/AMH/EUH/WOH 3
<u>Third Year Summer (3)</u>	<u>Third Year Summer (3)</u>	<u>Third Year Summer (3)</u>	<u>Third Year Summer (3)</u>
Cultural/Historical/Elect ⁴ 3	Cultural/Historical/Elect ⁴ 3	CEG 4801C ² 3	Cultural/Historical/Elect ⁴ 3
<u>Fourth Year Fall (13)</u>	<u>Fourth Year Fall (15)</u>	<u>Fourth Year Fall (15)</u>	<u>Fourth Year Fall (15)</u>
CGN 3501C 3	CGN 3501C 3	CGN 3501C 3	CGN 3501C 3
Depth Area 2 Course 2 ⁸ 3	Depth Area 2 Course 2 ⁸ 3	Depth Area 2 Course 2 ⁸ 3	Depth Area 2 Course 2 ⁸ 3
HUM/AMH/EUH/WOH ⁵ 3	HUM/AMH/EUH/WOH ⁵ 3	HUM/AMH/EUH/WOH ⁵ 3	HUM/AMH/EUH/WOH ⁵ 3
CES 4100C ² 4	CWR 4812C ² 3	CEG 4203 3	CES 4743C ² 3
	Depth Elective ⁹ 3	Depth Elective ⁹ 3	Depth Elective ⁹ 3
<u>Fourth Year Spring (15)</u>	<u>Fourth Year Spring (16)</u>	<u>Fourth Year Spring (12)</u>	<u>Fourth Year Spring (13)</u>
CGN 4808C Capstone 3	CGN 4808C Capstone 3	CGN 4808C Capstone 3	CGN 4808C Capstone 3
HUM/AMH/EUH/WOH 3	HUM/AMH/EUH/WOH 3	HUM/AMH/EUH/WOH 3	Depth Elective ⁹ 3
Depth Elective ⁹ 3	Depth Elective ⁹ 3	Depth Elective ⁹ 3	Technical Elective ^{6,7} 3
Depth Elective ⁹ 3	CWR 4124 3	Technical Elective ^{6,7} 3	CEG 4011C ² 4
Technical Elective ^{6,7} 3	CES 4100C ² 4		

¹Courses must be completed to clear the "Pending" status.

²Pre-requisite courses for and within this program require a minimum grade of "C" (2.0) or better.

³Basic Science selected from EVR 1001, GEO 1200, GEO 2370, GLY 2038 or GLY 1030, MET 2104 only.

⁴Cultural/Historical Elective should be selected from MUL 2010, PHI 2010, THE 2000 to satisfy both State and UCF General Education requirements with one course.

⁵Select courses to satisfy HUM/AMH/EUH/WOH that will satisfy 6 hours of Gordon Rule Requirements.

⁶Students transferring to UCF will take upper level Technical Electives in place of EGS 1006C and EGN 1007C.

⁷Students should check CECE Department website for a list of **approved** Technical Electives.

⁸Complete two (2) Depth Areas from *Mechanics*: EGN 3343 and CES 4205; *Structural*: CES 4605 and CES 4702; *Geotechnical*: CEG 4012 and CEG 4203; *Water Resources*: CWR 4120 and CWR 4124; or *Transportation*: TTE 4274 and TTE 4300.

⁹Take any two (2) additional courses from those not taken above or from *Environmental*: ENV 4531, ENV 4561 or *Construction*: CCE 4004, CCE 4034

¹⁰All CECE majors are required to take and report results of the Fundamentals of Engineering Exam prior to graduation in accordance with the National Council of Examiners for Engineering and Surveying guidelines.