

# ENVIRONMENTAL ENGINEERING

2020-2021 UCF Catalog

(128 Hour Program)

Department of Civil, Environmental, and Construction Engineering

Academic Advisor: Dr. Kevin Mackie – EN2 211

## First Year Fall

*♦⚠MAC 2311C - Calc w/An Geom I	(4)
*♦⚠CHM 2045C - Chem Fund I w/Lab	(4)
EGS 1006C - Intro to Engr Prof	(1)
*ENC 1101 - Engl Comp I	(3)
*Biological Science (BSC1005, BSC1050, BSC2010C, BSC 2011C)	(3)

(15)

## First Year Spring

*♦⚠MAC 2312 – Calc w/An Geom II	(4)
*♦⚠PHY 2048C - Physics Using Calc I	(4)
EGN 1007C - Engr Concept and Meth	(1)
*ENC 1102 - Engl Comp II	(3)
*ECO/POS	(3)

(15)

## Second Year Fall

*♦MAC 2313 – Calc w/Analytic Geom III	(4)
*CHM 2046/L - Chem Fund II/Lab	(3/1)
EGN 3310 - Engr Mech - Statics	(3)
ENV 3001 –Environmental Engineering	(3)
EGN 3613 - Engr Econ Anal	(2)

(16)

## Second Year Spring

*♦MAP 2302 - Diff Eqns	(3)
*PHY 2049C – Physics Using Calc II	(4)
EGN 3321 - Engr Mech - Dynamics	(3)
EGN 3343 - Thermodynamics	(3)
EGN 3331C – Mechanics of Materials	(3)

(16)

## Second Year Summer

STA 3032 - Prob/Stat Engrs	(3)
CWR 3201 – Engr Fluid Mechanics	(3)
*SPC/COM (SPC 1603/1608 Preferred)	(3)

(9)

## Third Year Fall

ENV 4531 – Env Engr Unit Ops & Proc	(3)
EES 4202C – Chemical Process Cntrl	(4)
CWR 4202C – Hydraulics	(3)
ENV 4120– Air Pollution & Haz Waste Cntrl	(3)
*HUM/AMH/EUH/WOH - I	(3)

(16)

## Third Year Spring

ENV 4561 – Adv Env Engr Ops & Proc	(3)
EES 4111C - Biological Process Cntrl	(4)
CEG 4011C - Geotechnical Engr 1	(4)
Approved Project Design Course	(3)
*HUM/AMH/EUH/WOH - II	(3)

(17)

## Fourth Year Fall

CWR 4120 or 4124 – Hydrology or Hydrogeology	(3)
ENV 4341 – Sustainable Resource Mgmt	(3)
*Earth Science (GEO 1200 or 2370, GLY 1030 or 2038, MET 2104)	(3)
*ANT/PSY/SYG	(3)

(12)

## Fourth Year Spring

CGN 4808C – Capstone Design	(3)
CCE 4003 – Intro to Construction Ind	(3)
Technical Elective	(3)
*Cultural/Historical Elective	(3)

(12)

- 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) Students should check the CECE Department website for a list of **approved** Technical Electives ([www.cece.ucf.edu](http://www.cece.ucf.edu))
  - (10) All CECE majors are required to take and report results of the Fundamentals of Engineering Exam prior to graduation in accordance with the Florida Board of Professional Engineers and 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)).
  - (11) Project Design Courses are: ENV 4122C (Sp), ENV 4562C (Sp), ENV 4433C (Su)