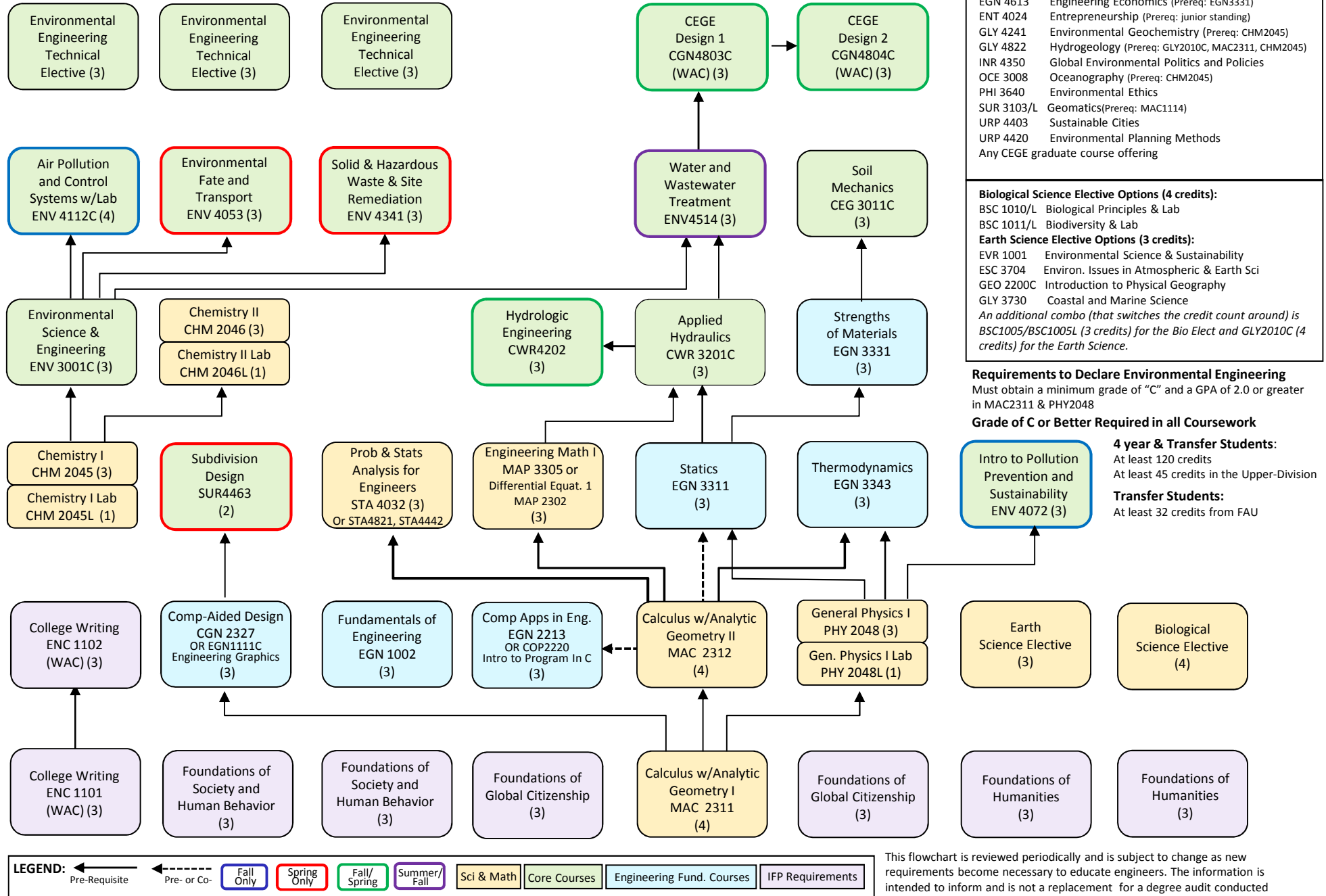


Bachelor of Science in Environmental Engineering



Requirements listed are for the catalog effective Fall 2018

engineering-advising@fau.edu • 561.297.2780 • dessa.fau.edu • cege.fau.edu



- Environmental Engineering Technical Electives:**
- ANT 4463 Environment and Disease
 - CCE 4031 Construction Project Mgmt. (PreReq: Senior & Permission of Dept.)
 - CEG 3011C Soil Mechanics (Prereq: EGN3331)
 - CWR 4223 Advanced Hydraulic Systems (Prereq: CWR 3201C)
 - CWR 4307 Stormwater Modeling & Mgmt. (Prereq: CWR 3201C)
 - ECP 4302 Environmental Economics
 - EGN 4613 Engineering Economics (Prereq: EGN3331)
 - ENT 4024 Entrepreneurship (Prereq: junior standing)
 - GLY 4241 Environmental Geochemistry (Prereq: CHM2045)
 - GLY 4822 Hydrogeology (Prereq: GLY2010C, MAC2311, CHM2045)
 - INR 4350 Global Environmental Politics and Policies
 - OCE 3008 Oceanography (Prereq: CHM2045)
 - PHI 3640 Environmental Ethics
 - SUR 3103/L Geomatics(Prereq: MAC1114)
 - URP 4403 Sustainable Cities
 - URP 4420 Environmental Planning Methods
 - Any CEGE graduate course offering

- Biological Science Elective Options (4 credits):**
- BSC 1010/L Biological Principles & Lab
 - BSC 1011/L Biodiversity & Lab
- Earth Science Elective Options (3 credits):**
- EVR 1001 Environmental Science & Sustainability
 - ESC 3704 Environ. Issues in Atmospheric & Earth Sci
 - GEO 2200C Introduction to Physical Geography
 - GLY 3730 Coastal and Marine Science
- An additional combo (that switches the credit count around) is BSC1005/BSC1005L (3 credits) for the Bio Elect and GLY2010C (4 credits) for the Earth Science.*

Requirements to Declare Environmental Engineering
 Must obtain a minimum grade of "C" and a GPA of 2.0 or greater in MAC2311 & PHY2048

Grade of C or Better Required in all Coursework

4 year & Transfer Students:
 At least 120 credits
 At least 45 credits in the Upper-Division

Transfer Students:
 At least 32 credits from FAU

PRE-PROFESSIONAL ENGINEERING PROGRAM (2018-2019)

College of Engineering and Computer Science

FOUNDATIONS OF WRITTEN COMMUNICATION

(6 credit hours required – Writing Across the Curriculum - WAC)
 Grade of “C” or higher is required in each course

____ ENC 1101.....College Writing I **(Required)**

____ ENC 1102.....College Writing II +

THE FOLLOWING COURSES BELOW MAY BE SUBSTITUTED FOR ENC 1102:

English Department

____ ENC 1930+.....University Honors Seminar in Writing **(Permit Only)**

____ ENC 1939+.....Special Topic: College Writing

____ ENC 2452+.....Honors Composition for Science

Anthropology Department

____ ANT 1471+.....Cultural Difference in a Globalized Society

History Department

____ HIS 2050+.....Writing History

Note: Students must take four Writing-Across-the-Curriculum (WAC) courses, two of which must be taken from Foundations of Written Communication.

FOUNDATIONS OF SCIENCE & THE NATURAL WORLD

(6 credit hours required - **One of the courses must have a lab**) Student must take 2 of the following courses; 1 must be from group A. The second course may be from group A or group B.

Group A

Group B

Biology Department

____ BSC 1010 & L & D

Biological Principles
 (4 cr. Incl. Lab & Dis)

Chemistry Department

____ CHM 2045 & L **(Required)**

General Chemistry 1
 (4 cr. Incl. Lab)

Physics Department

____ PHY 2048 & L **(Required)**

General Physics 1
 (4 or 5 credits incl. Lab)

Geosciences Department

____ GLY 2010C

Physical Geol. (4 cr. incl. Lab)

Physics Department

____ PHY 2049 & L **(Required)**

General Physics 1
 (4 or 5 credits incl. Lab)

FOUNDATIONS OF HUMANITIES (6 credit hours required)

Student must take 2 of the following courses; 1 must be from group A. The second course may be from group A or group B.

Group A

Visual Art & Art History Department

____ ARH 2000..... Art Appreciation **(P/F)**

Music Department

____ MUL 2010..... Music Appreciation

Philosophy Department

____ PHI 2010 & D Introduction to Philosophy **(WAC)**

Theatre & Dance Department

____ THE 2000..... Theatre Appreciation

Group B

Architecture Department

____ ARC 2208..... Culture & Architecture

Theatre & Dance Department

____ DAN 2100..... Appreciation of Dance

School of Communication & Multimedia Studies

____ FIL 2000 & D Film Appreciation

Languages, Linguistics, & Comparative Literature Department

____ LIT 2100..... Introduction to World Literature

English Department

____ LIT 2010..... Interpretation of Fiction **(WAC)**

____ LIT 2030..... Interpretation of Poetry **(WAC)**

____ LIT 2040..... Interpretation of Drama **(WAC)**

____ LIT 2070..... Interpretation of Creative Nonfiction **(WAC)**

FOUNDATIONS OF MATHEMATICS & QUANTITATIVE REASONING

(6 credit hours required – Grade of “C” or higher is required) Student must take 2 of the following courses; 1 must be from group A. The second course may be from group A or group B.

PRETEST IS REQUIRED BEFORE TAKING YOUR FIRST MATH COURSE Group A

____ MAC 2311..... Calculus with Analytic Geometry 1 (4 credits) **(Required)**

Group B

____ MAC 2312..... Calculus with Analytic Geometry 2 (4 credits) **(Required)**

FOUNDATIONS OF SOCIETY & HUMAN BEHAVIOR

(6 credit hours required)

Student must take 2 of the following courses; 1 must be from group A. The second course may be from group A or group B.

Group A

History Department

____ AMH 2020 & D United States History Since 1877 **(P/F)**

Anthropology Department

____ ANT 2000 & D..... Introduction to Anthropology

Economics Department

____ ECO 2013..... Macroeconomic Principles §

Political Science Department

____ POS 2041..... Government of the United States

Psychology Department

____ PSY 1012..... Introduction to Psychology

Sociology Department

____ SYG 1000..... Sociological Perspectives

Group B

History Department

____ AMH 2010 & D United States History to 1877 **(P/F)**

Economics Department

____ ECO 2023..... Microeconomic Principles §

____ ECP 2002..... Contemporary Economic Issues

Exceptional Student Education Department

____ EEX 2091 Disability and Society

Geosciences Department

____ EVR 2017 Environment and Society

Languages, Linguistics, & Comparative Literature Department

____ LIN 2001 Introduction to Language **(online course)**

Public Administration Department

____ PAD 2258..... Changing Environment of Soc., Bus., & Gov't

Sociology Department

____ SYD 2790 Race, Class, Gender, and Sexuality

____ SYG 2010..... Social Problems

Urban & Regional Planning Department

____ URP 2051..... Designing the City

FOUNDATIONS IN GLOBAL CITIZENSHIP

(6 credit hours required)

Student must choose two (2) courses from among the following:

Anthropology Department

____ ANT 2410 Culture and Society

Curriculum, Culture & Education Department

____ EDF 2854 Educated Citizen in Global Context

Geosciences Department

____ GEA 2000..... World Geography

Political Science Department

____ INR 2002..... Introduction to World Politics

Languages, Linguistics, & Comparative Literature Department

____ LAS 2000 Intro to Caribbean & Latin American Studies

____ LIN 2607 Global Perspectives on Language **(online course)**

Sociology Department

____ SYP 2450 Global Society

Social Work Department

____ SOW 1005 Global Perspectives of Social Services

History Department

____ WOH 2012 & D History of Civilization 1 **(WAC)**

____ WOH 2022..... History of Civilization 2