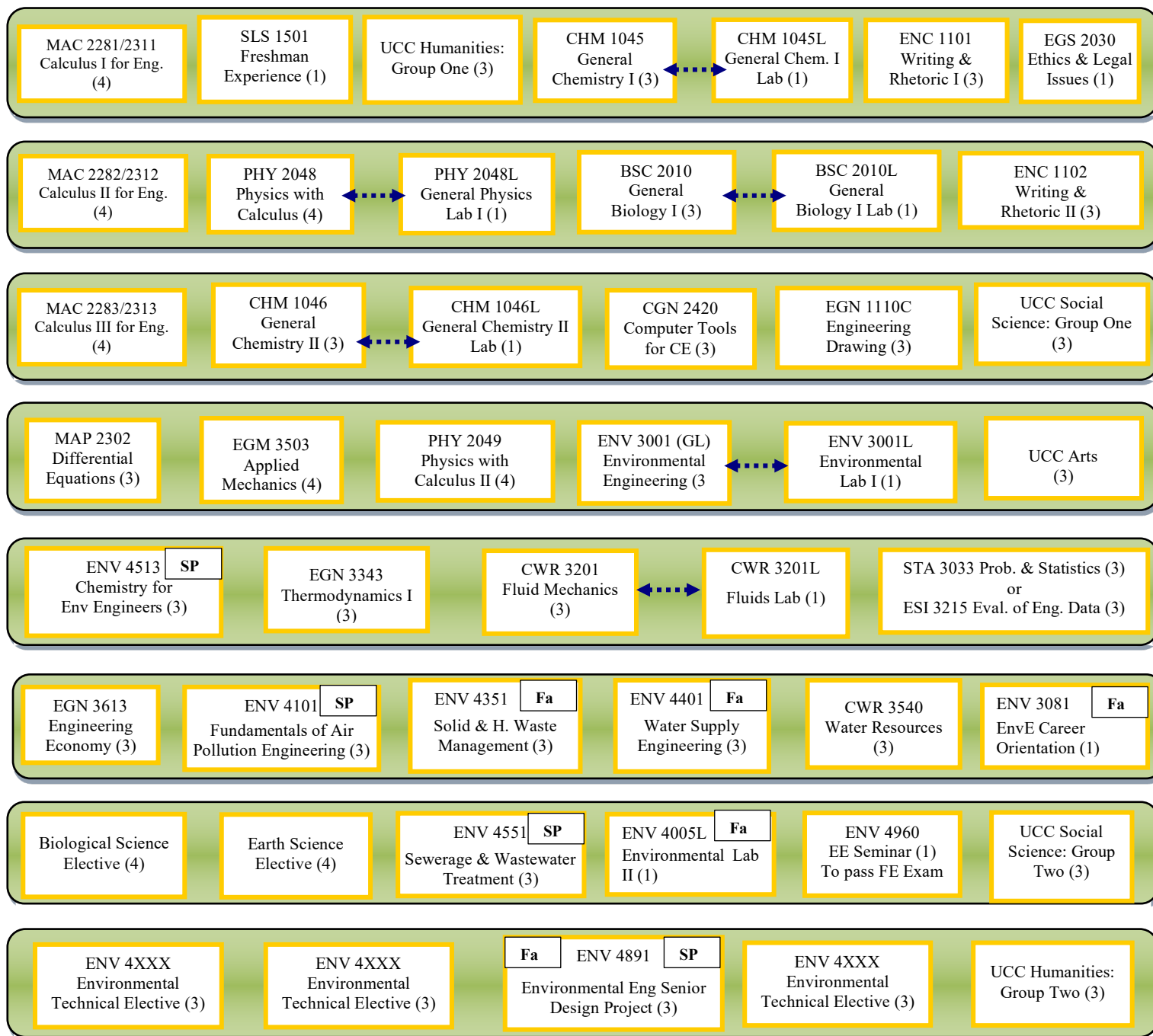




Earth Science Electives

(other electives may be chosen, as approved by Department Advisor)

GLY 1010/L	Physical Geology
GLY 2072/L	Earth's Climate and Global Change
GLY 3039/L	Environmental Geology
GLY 3202/L	Earth Materials
GLY 4822/L	Intro to Hydrogeology
MET 2010/L	Meteorology & Atmospheric Physics

Biological Science Electives

(other electives may be chosen, as approved by Department Advisor)

MCB 2000/L	Introductory Microbiology (GL)
OCB 2000/L	Introductory Marine Biology
PCB 3043/L	Ecology
EVR 3013/L	Ecology of South Florida

Academic Progression Standards - Students who do not pass common prereqs after 2 attempts will be advised to change their major into an area where they can be successful. Drops after the add/drop period, which result in a DR grade, are considered an attempt in the course and count as an unsuccessful enrollment.

Environmental Technical Electives

(other electives may be chosen, as approved by Department Advisor)

CES 3580	Hurricane Engineering and Global Sustainability (GL) Fall only
CGN 4321	GIS Applications in Civil and Env. Eng.
CGN 4510	Sustainable Building Engineering
CWR 4204	Hydraulic Engineering
CWR 4530	Modeling Applications in Water Resources Engineering
EGN 4070	Engineering for Global Sustainability and Environmental Protection (GL) Spring only
ENV 4024	Bioremediation Engineering
ENV 4330	Hazardous Waste Site Assessment
ENV 4930	Special Topics: Indoor Air Quality
ENV 4560	Reactor Design

(GL) indicates Global Learning course. Students are required to take 2 GL courses, and at least 1 must be discipline specific.

PREREQUISITES/COREQUISITES

All courses must be passed with a C or better

MAC 2311/MAC 2281 Calculus I (4)

Prereqs: MAC 1147 OR MAC 1140 & MAC 1114

MAC 2312/MAC 2282 Calculus II (4)

Prereq: MAC 2311 or MAC 2281

MAC 2313/ MAC 2283 Multivariable Calculus (4)

Prereq: MAC 2312 or MAC 2282

MAP 2302 (3)

Prereq: MAC 2312 or MAC 2282

PHY 2048 Physics with Calculus I (4)

Prereq: MAC 2311 or MAC 2281

Coreq: PHY 2048L

PHY 2048L Physics with Calculus I Lab (1)

Coreq: PHY 2048

PHY 2049 Physics with Calculus II (4)

Prereqs: PHY 2048 & MAC 2312 or MAC 2282

CHM 1045 General Chemistry I (3)

Coreq: CHM 1045L

CHM 1045L General Chemistry I Lab (1)

Coreq: CHM 1045

CHM 1046 General Chemistry II (3)

Prereqs: CHM 1045 & CHM 1045L

Coreq: CHM 1046L

CHM 1046L General Chemistry II Lab (1)

Coreq: CHM 1046

BSC 2010 General Biology I (3)

Coreq: BSC 2010L

BSC 2010L General Biology I Lab (1)

Coreq: BSC 2010

CGN 2420 Computer Tools (3)

Prereqs: MAC 2312 or MAC 2282, PHY 2048

EGN 1110C Engineering Drawing (3)

No Prereqs

EGS 2030 Ethics & Legal Issues (1)

No Prereqs

EGM 3503 Applied Mechanics (3)

Prereqs: MAC 2312 or MAC 2282 & PHY 2048

ENV 3001 Environmental Engineering (3)

Prereqs: MAC 2312 or MAC 2282, CHM 1045, CHM 1045L

Coreq: ENV 3001L

ENV 3001L Environmental Engineering Lab (1)

Prereqs: MAC 2312 or MAC 2282, CHM 1045, CHM 1045L, & CGN 2420

Coreq: ENV 3001L

CWR 3201 Fluid Mechanics (3)

Prereqs: MAC 2313 or MAC 2283, MAP 2302, EGM 3503

Coreq: CWR 3201L

CWR 3201 Fluid Mechanics Lab (1)

Prereqs: MAP 2302, EGN 3321

Coreq: CWR 3201

ENV 4513 Chemistry for Env. Engineers (3)

Prereqs: CHM 1045, CHM 1045L

EGN 3343 Thermodynamics I (3)

Prereqs: Mac 2312 or MAC 2282, PHY 2048, CHM 1045

EGN 3613 Engineering Economy (3)

No Prereqs

STA 3033 Probability & Statistics (3)

Prereq: MAC 2312 or MAC 2282

ESI 3215 Evaluation of Engineering Data (3)

Prereq: MAC 2312 or MAC 2282

ENV 4101 Fundamentals of Air Pollution Eng. (3)

Prereqs: CWR 3201, CWR 3201L, ENV 3001, ENV 3001L

ENV 4351 Solid & Hazardous Waste Mgmt (3)

Prereqs: CHM 1045, CHM 1045L

ENV 4401 Water Supply Engineering (3)

Prereqs: CWR 3201, CWR 3201L, ENV 3001, ENV 3001L

CWR 3540 Water Resources (3)

Prereqs: CWR 3201, CWR 3201L, STA 3033 or ESI 3215

ENV 4551 Wastewater Treatment Engineering (3)

Prereqs: CWR 3201, CWR 3201L, ENV 3001, ENV 3001L

ENV 4005L Environmental Lab II (1)

Prereq: ENV 3001L, CWR 3201L, EGN 3343

ENV 3081 Career Orientation and Project Mngt. (1)

Prereq: MAC 2312 or MAC 2282, PHY 2049

ENV 4891 ENV. Eng Senior Design Project (3)

Prereqs: CWR 3540, ENV 4351, & ENV 4401
OR ENV 4551

Coreq: ENV 4101, ENV 4401, ENV 4551

ENV 4960 EE Seminar to pass FE Exam (1)

Prereqs: EGN 3613, ENV 3001, EGN 3343, EGS 2030, ENV 4351

Coreqs: ENV 4101, ENV 4401, ENV 4551

ELECTIVES

CES 3580 Hurricane Engineering (3)

Prereq: PHY 2048

CGN 4321 GIS Application in Civil & Env Eng (3)

Prereqs: TTE 4201 or ENV 3001 or CWR3540

CGN 4510 Sustainable Building Engineering (3)

Prereqs: CWR 3201, CWR 3201L

CWR 4204 Hydraulic Engineering (3)

Prereq: CWR 3201

CWR 4530 Modeling Appl. In Water Res Eng. (3)

Prereq: CWR 3201

Coreq: CWR 3540

EGN 4070 Eng. For Global Sustainability (3)

Prereqs: ENV 3001 or PHY 2049 & CHM1045

ENV 4024 Bioremediation (3)

Prereqs: ENV 3001, ENV 3001L

ENV 4330 Hazardous Waste Assessment (3)

Prereqs: CHM 1045, CHM 1045L

ENV 4560 Reactor Design (3)

Prereqs: ENV 3001

ENV 4930 Special Topics: Indoor Air Quality (3)

Prereqs: ENV 3001, ENV 3001L, CWR 3201, CWR 3201L

ENV 4930 Special Topics: Sustainable Eng. (3)

Prereqs: ENV 3001, ENV 3001L

GLY 3202 Earth Materials (3)

Prereq: Permission of instructor OR GLY 1010, & **chm 1045**

Coreq: GLY 3202L

GLY 3202 Earth Materials lab (1)

Prereq: Permission of instructor OR GLY 1010L,

Coreq: GLY 3032

GLY 4822 Intro to Hydrogeology (3)

Prereq: Permission of instructor OR GLY 1010
OR GLY 3039, PHY 2048, MAC 2311

Coreq: none

GLY 4822 Intro to Hydrogeology Lab (1)

Prereq: CHM 1045, GLY 1010, PHY 2048, MAC 2311

Coreq: GLY 4822

PCB 3043 Ecology

Prereq: BSC 2010, BSC 2011

Coreq: none

PCB 3043 Ecology Lab (1)

Prereq: BSC 2010, BSC 2011

Coreq: PCB 3043

All of the other Earth and Biological Science Electives do not have any prerequisites or corequisites.