FIU

DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING
FLORIDA INTERNATIONAL UNIVERSITY
ENVIRONMENTAL ENGINEERING
UNDERGRADUATE COURSE SEQUENCE

Rev. 6/17

Row 1:
- MAC 2311 Calculus I (4)
- SLS 1501 Freshman Experience (1)
- UCC Humanities: Group One (3)
- CHM 1045 General Chemistry I (3)
- CHM 1045L General Chem. I Lab (1)
- ENC 1101 Writing & Rhetoric I (3)
- EGS 2030 Ethics & Legal Issues (1)

Row 2:
- MAC 2312 Calculus II (4)
- PHY 2048 Physics with Calculus (4)
- PHY 2048L General Physics Lab I (1)
- BSC 2010 General Biology I (3)
- BSC 2010L General Biology I Lab (1)
- ENC 1102 Writing & Rhetoric II (3)

Row 3:
- MAC 2313 Multivariable Calculus (4)
- EGN 1110C Engineering Drawing (3)
- CHM 1046 General Chemistry II (3)
- CHM 1046L General Chemistry II Lab (1)
- CGN 2420 Computer Tools for CE (3)
- UCC Social Science: Group One (3)

Row 4:
- MAP 2302 Differential Equations (3)
- PHY 2049 Physics with Calculus II (4)
- ENV 3001 (GL) Environmental Engineering (3)
- ENV 3001L Environmental Engineering Lab (1)
- EGM 3503 Applied Mechanics (4)
- UCC Arts Course (3)

Row 5:
- ENC 3213 Technical Writing (3)
- CWR 3201 Fluid Mechanics (3)
- CWR 3201L Fluids Lab (1)
- ENV 4513 [Sp] Chemistry for Env Engineers (3)
- EGN 3343 Thermodynamics I (3)
- STA 3033 Prob. & Statistics (3)

Row 6:
- EGN 3613 Engineering Economy (3)
- ENV 4101 [Sp] Fundamentals of Air Pollution Engineering (3)
- ENV 4351 [Sp] Solid & H. Waste Management (3)
- ENV 4401 [Fa] Water Supply Engineering (3)
- CWR 3540 Water Resources (3)
- ENV 3081 [Fa] EnvE Career Orientation (1)

Row 7:
- Biological Science Elective (4)
- Earth Science Elective (4)
- ENV 4551 [Sp] Wastewater Treatment Engineering (3)
- ENV 4005L [Fa] Environmental Lab II (1)
- ENV 4960 EE Seminar (1) To pass FE Exam
- UCC Social Science: Group Two (3)

Row 8:
- ENV 4XXX Environmental Technical Elective (3)
- ENV 4XXX Environmental Technical Elective (3)
- [Fa] ENV 4891 [Sp] Environmental Eng Senior Design Project (3)
- ENV 4XXX Environmental Technical Elective (3)
- UCC Humanities: Group Two (3)

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	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 2003/L	Introductory Marine Biology
PCB 3043/L	Ecology
EVR 3013/L	Ecology of South Florida

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

CES 3580	Hurricane Engineering and Global Sustainability (GL)
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
CWR 4620C	Ecohydrological Engineering
EGN 4070	Engineering for Global Sustainability and Environmental Protection (GL)
ENV 4024	Bioremediation Engineering
ENV 4330	Hazardous Waste Site Assessment
ENV 4560	Reactor Design

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

GL Foundations _____	GRW-1 _____	FLENT/FLEX _____
GL Discipline _____	GRW-2 _____	Summer Req. _____