

Environmental Engineering

FRESHMAN YEAR

First Semester

MATH 115Q - Calculus I (4)
CHEM 127Q - General Chemistry (4)
ENGR 100 - Orientation to Engineering (1)
CSE 123 C - Introduction to Computing (2)
ENGL 110* or 111* - Expository Writing (4)
General Ed CA: 1, 2 or 4* (3)

Second Semester

ENGR 166 - Foundations of Engineering (3)
MATH 116Q - Calculus II (4)
CHEM 128Q - General Chemistry (4)
General Ed CA: 1, 2 or 4* (3)
General Ed CA: 1, 2 or 4* (3)

** These courses may be taken either semester in the first year*

SOPHOMORE YEAR

First Semester

MATH 210Q - Multivariable Calculus (4)
CE 211 - Applied Mechanics I (3)
PHYS 151Q - Physics for Engineers I (4)
ENVE 263 - Environmental Engr. Fundamentals (3)
EEB 244 - General Ecology (4)

Second Semester

MATH 211Q - Elem. Differential Equations (3)
PHYS 152Q - Physics for Engineers II (4)
PHIL 104 - Philosophy & Ethics (3)
CHEG 211 - Chemical Engr. Thermodynamics (3)
ENVE 110 - The Environmental Debate (1)
Free Elective (3)

JUNIOR YEAR

First Semester

CHEG 214 - Chemical Engr. Thermodynamics (4)
CHEG 223 - Transfer Operations (3)
ENVE 201 - Decision Analysis in Civil &
Environmental Engineering (3)
MCB 229- Fundamentals of Microbiology (4)
Free Elective (3)

Second Semester

ENVE 260 - Water Quality Engineering (3) **or**
ENVE 281 - Introduction to Water Pollution (3)
ENVE 262 - Environmental Engr. Laboratory (3)
CHEG 226 - Transfer Operations II (4)
ENVE 279 - Environmental Modeling (3)
ENVE 110 - The Environmental Debate (1)
General Ed CA: 1, 2 or 4* (3)

SENIOR YEAR

First Semester

ENVE 290W - Environmental Engr. Design I (2)
ENVE 270 - Environmental Engr. Chemistry (3)
General Ed CA: 1, 2 or 4* (3)
Professional Electives** (6)

Second Semester

ENVE 291W - Environmental Engr. Design II (2)
ENVE 285 - Introduction to Air Pollution (3)
ENVE 296 - Thesis (3)
Professional Elective** (3)
ENVE 110 - The Environmental Debate (1)

**** Note that one of the professional elective courses must be ENVE 267 (Engineering Hydrology) or ENVE 265 (Hydraulic Engineering)**