

Fall 2006

## 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 110\* - Expository Writing (4)  
HIST 100\* - Roots of Western Experience **or**  
HIST 101\* - Modern Europe (3)

#### Second Semester

ENGR 166 - Foundation of Engineering (3)  
MATH 116Q - Calculus II (4)  
CHEM 128Q - General Chemistry (4)  
Group 7\* - Social Science (3)  
Group 4\* - Art (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 - Differential Equation (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 212 - Chemical Engr. Thermodynamics (3)  
CHEG 223 - Transfer Operations (3)  
MCB 229- Fundamentals of Microbiology (4)  
ENVE 201 - Decision Analysis in Civil &  
Environmental Engineering (3)  
Free Elective (3)

#### Second Semester

ENVE 260 - Water Quality Engineering **or**  
ENVE 281 - Introduction to Water Pollution (3)  
ENVE 262 - Environmental Engr. Laboratory (3)  
ENVE 224 - Transfer Operations (3)  
ENVE 279 - Environmental Modeling (3)  
ENVE 110 - The Environmental Debate (1)  
Group 4 - Literature Course (3)

### SENIOR YEAR

#### First Semester

ENVE 290W - Environmental Engr. Design I (2)  
ENVE 270 - Environmental Engr. Chemistry (3)  
Group 5 - Non-Western Culture (3)  
Professional Elective\*\* (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).*