## Suggested Course Plan for a UC Riverside Major in Environmental Engineering

**(Catalog Year 2009)**

### Fall Quarter
- **CEE 010 (2)**  
  Intro to Engineering
- **CHEM 001A/01LA (5)**  
  General Chemistry
- **ENGL 001A (4)**  
  English Composition
- **MATH 009A (4)**  
  First Year Calculus

### Winter Quarter
- **CHEM 001B/01LB (5)**  
  General Chemistry
- **ENGL 001B (4)**  
  English Composition
- **MATH 009B (4)**  
  First Year Calculus
- **PHYS 040A (5)**  
  Physics (Mechanics)

### Spring Quarter
- **CHEM 001C/01LC (5)**  
  General Chemistry
- **ENGL 001C or 01SC* (4)**  
  English Composition
- **MATH 009C (4)**  
  First Year Calculus
- **PHYS 040B (5)**  
  Physics (Heat/Waves/Sound)

### First Year

#### Second Year
- **CHEM 112A (4)**  
  Organic Chemistry
- **ENVE 171 (4)**  
  Intro to Environmental Engr
- **MATH 010A (4)**  
  Multivariable Calculus
- **PHYS 040C (5)**  
  Physics (Electricity/Magnetism)

#### Third Year
- **CHE 100 (4)**  
  Engineering Thermodynamics
- **CHE 112B (4)**  
  Organic Chemistry
- **ME 010 (4)**  
  Statics
- **MATH 010B (4)**  
  Multivariable Calculus

#### Fourth Year
- **ENSC 100 (4)**  
  Intro to Soil Science
- **ENVE 120 (4)**  
  Unit Operations & Processes
- **ENVE 160B (3)**  
  Environmental Engineering Lab
- **TECHNICAL ELECTIVE (4)**  
  **See Catalog List

### Notes
- Humanities/Social Sciences courses fulfill breadth requirements specific to the College of Engineering. A list of approved Breadth courses is available on the College of Engineering Student Academic Affairs website: [http://student.engr.ucr.edu/](http://student.engr.ucr.edu/).
- Electives are courses in Environmental Engineering which explore specific topics. A list of Electives is available on the College of Engineering Student Academic Affairs website: [http://student.engr.ucr.edu/](http://student.engr.ucr.edu/), and the UCR College Catalog website: [www.catalog.ucr.edu](http://www.catalog.ucr.edu).
Environmental Engineering
Technical Electives

Air Pollution Control Technology Option:
CEE 125: Analytical Methods for Chemical and Environmental Engineers
CEE 132: Green Engineering
CHE 102: Catalytic Reaction Engineering
ENSC 135: Chemistry of the Clean and Polluted Atmosphere
ENVE 138: Combustion Engineering
ENVE 144: Solid Waste Management
ENVE 145: Hazardous Waste Management

Water Pollution Control Technology Option:
CEE 125: Analytical Methods for Chemical and Environmental Engineers
CEE 132: Green Engineering
CHE 116: Heat Transfer
CHE 124: Biochemical Engineering Principles
ENSC 136: Chemistry of Natural Waters
ENSC 155: Principles and Applications of Bioremediation
ENSC 163: Hydrology
ENVE 121: Biological Unit Processes
ENVE 144: Solid Waste Management