# Suggested Sequence for BS Environmental Science

## Freshman Year (Fall)
- **CHEM 121/121L** Chemistry I/Lab | 5
- **Biol 111/111L** Biology I/Lab | 4
- **UCOR 101** Thinking & Writing | 3
- **MATH 115** Calculus I | 4
- **UCOR 030** Research/Info Skills | 1

## Freshman Year (Spring)
- **CHEM 122/122L** Chemistry II/Lab | 5
- **Biol 112/112L** Biology II/Lab | 4
- **UCOR 102** Imag. Lit & Critical Writing | 3
- **MATH 116** Calculus II (or MATH/COSC elective) | 4(3)

## Sophomore Year (Fall)
- **CHEM 211/211L** O-Chem I/Lab | 4
- **HIST 307** History of Science | 3
- **MATH 225** Biostatistics | 3
- **UCOR 132** Basic Philosophical Questions | 3
- **BIOL 212** Cell and Molecular Biology | 4

## Sophomore Year (Spring)
- **CHEM 212/212L** O-Chem II/Lab | 4
- **ENVI 451** Principles of Environmental Science | 3
- **MATH 335** Biostatistics II | 3
- **SPRG 105** Career Development Seminar | 1
- **UCOR Creative Arts Requirement** | 3
- **ENGL 302W** Science Writing | 3

## Junior Year (Fall)
- **PHYS 201/201L** Physics for Life Science I/Lab | 4
- **ENVI 472/672** Environmental Biology | 3
- **BIOL 319** General Microbiology | 3
- **UCOR Theology Requirement** | 3
- **GENL General Elective** | 3

## Junior Year (Spring)
- **PHYS 202/202L** Physics for Life Science II/Lab | 4
- **ENVI Elective (Rec ENVI 497 Applied Envi Micro)*** | 3
- **ENVI Elective (Rec ENVI 570 Air Pollution)*** | 3
- **ENVI 452** Environmental Chemistry | 3
- **UCOR Ethics Requirement** | 3
- **SPRG 108 Science/Service Learning** | 0

## Senior Year (Fall)
- **ENVI Elective (Rec ENVI 472W Stream/Field Bio)*** | 3
- **ENVI Elective (Rec ENVI 571 Water Pollution)*** | 3
- **ENVI Elective (Rec BIOL 335/340W/417)*** | 3
- **UCOR Global Diversity Requirement** | 3
- **UCOR Faith and Reason Requirement** | 3

## Senior Year (Spring)
- **ENVI 670** Environmental Toxicology | 3
- **ENVI Elective (Rec ENVI 544 Policy/520 GIS)*** | 3
- **ENVI Elective (Rec ENVI 572 Solid/549 Quant)*** | 3
- **ENVI 549** Quantitative Environmental Methods | 3
- **ENVI 572** Solid and Hazardous Waste | 3

## Total = 129 (128) credits

*Indicates 21 minimum Environmental Science electives to be chosen from:

### Fall Courses:
- **BIOL 335** Vertebrate Anatomy and Development
- **BIOL 340W** Evolution
- **BIOL 398/399** Undergraduate Research
- **BIOL 417** Invertebrate Biology/Biotechnology
- **ENVI/BIOI 492W** Stream Field Biology
- **ENVI 571** Water Pollution Prev and Control
- **CHEM 301** Physical Chemistry for Life Sciences
- **CHEM 321** Physical Chemistry I
- **CHEM 423** Analytical Chemistry

### Spring Courses:
- **CHEM 322** Physical Chemistry II
- **CHEM 230L** Research Lab Techniques (2cr.)
- **ENVI 520** Environmental GIS
- **ENVI/BIOI 497** Applied and Env Microbiology
- **ENVI 544** Environmental Policy
- **ENVI 570** Air Pollution Prev and Control
- **ENVI 549** Quantitative Environmental Methods
- **ENVI 531** Environmental Management
- **ENVI 572** Solid and Hazardous Waste

## Summer Courses:
- **ENVI/BIOI 466** Terrestrial Field Biology
- **ENVI 391** Env Science Experience in China
- **ENVI 491** Environmental Hydrogeology (2 cr.)
- **ENVI 494** Environmental Sampling and Analysis
- **ENVI 650** Conservation Biology

## Other Courses (Offered During Various Semesters):  
- **ENVI/BIOI 499** Microbial Ecology  
- **CHEM 504** Microwave Enhanced Chemistry  
- **CHEM 565** Advanced Instrumental Analysis  

(Students must take at least one field course ENV 466/492W/494…other courses may be approved by the students faculty mentor).  
(Students can concentrate studies in BIOI/CHEM/ENVI tracks and earn a minor in biology or chemistry).

UCOR courses can be taken in any sequence throughout the undergraduate curriculum. HIST 307 should be taken before the junior year. SPRG 108 can be taken for 0-1 credit during junior/senior year. Undergraduate research is strongly encouraged.