## Suggested Sequence for BS Environmental Science/MS ESM

### Freshman Year (Fall) CR
- 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) CR
- 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) CR
- 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) CR
- CHEM 212/212L O-Chem II/Lab 4
- ENVI 551 Principles of Environmental Science 3
- MATH 335 Biostatistics II 3
- SPRG 105 Career Development Seminar 1
- UCOR Creative Arts Requirement 3

### Junior Year (Fall) CR
- PHYS 201/201L Physics for Life Science I/Lab 4
- BIOL 319 General Microbiology 3
- UCOR Theology Requirement 3
- GENL General Elective 3

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

### Summer CR
- ENVI Internship #1 0-6

### Senior Year (Fall) CR
- ENVI 571 Water Pollution 3
- ENVI Elective 3
- ENVI Elective 3
- UCOR Faith and Reason Requirement 3

### Senior Year (Spring) CR
- ENVI 670 Environmental Toxicology 3
- ENVI 544 Environmental Policy 3
- ENVI Elective (Rec ENVI 520 GIS) 3
- UCOR Global Diversity Requirement 3
- UG ENVI Elective (Rec CHEM 301/423) 3

### Fifth Year (Fall) CR
- ENVI 531 Environmental Management 3
- ENVI 537 Conflict Resolution 2
- ENVI Elective 3
- ENVI Internship #2 0-6

### Fifth Year (Spring) CR
- ENVI 532 Law & Policy 2
- ENVI 532 Air Pollution Prev and Control 3
- ENVI Elective (Rec BIOL 515/535/540) 3

### Total = 150 credits (minimum)

*Italicized courses are MS requirements*

*18 credit semesters can be alleviated by taking summer courses, additional ENVI electives listed below:

### Fall Courses:
- BIOL 335 Vertabrate Anatomy and Development
- BIOL 340W Evolution
- BIOL 398/399 Undergraduate Research
- BIOL 417 Vertebrate Biology/Biotechnology
- ENVI/BIOL 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/BIOL 497 Applied and Env. Microbiology
- ENVI 570 Air Pollution Prev and Control
- ENVI 572 Solid and Hazardous Waste

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.

6/14