

## B.S. in Environmental Sciences — Chemistry Concentration

### Major Field Core Courses

<u>Course</u>	<u>Title</u>	<u>Year</u>	<u>Pre(co)requisite</u>	<u>Hours</u>
Envs 101	Environmental Science	1		3
Envs 201	Environmental Issues	1	Envs 101	3
Chem 111	General Chemistry I	1	H.S. chem	4
Chem 112	General Chemistry II	1	Chem 111	4
Chem 226	Elementary Organic Chemistry	2 or 3	Chem 112	4
Chem 214	Environmental Chemistry	2 or 3	Chem 112	3
Chem 315	Environmental Health Chem	2 or 3	Chem 112, Chem 226	3
Chem 350	Elementary Physical Chem	3	Phys 103, Chem 226	3
Chem 361	Analytical Chemistry I	3 or 4	Phys 203, Chem 226	4
Chem 362	Analytical Chemistry II	3 or 4	Chem 361 (350 or 352)	4
Capstone	Internship (4 s.h.), Seminar, or Thesis (3 s.h.)	4		3-4

**Total credit hours: 35-36**

### Related Work:

Biol 105	General Biology II	1 or 2	None	4
Geol 120	Physical Geology	1 or 2		3
Phys 103	General Physics I (non-calculus) (or Phys 203, General Physics with calculus)	3		3-4
Math 173	Calculus I	1	Math 105 or H.S. Math	4
Math 174	Calculus II	1	Math 173	4
Scin 210	Technical Writing in the Sciences	3		2
Stat 101	Introduction to Statistics or Stat 101, Statistical Methods I	3		3
Select one from the following				
Esci 290	Waste Management	3		3
Biol 286	Intro to Biological Pollution	3		3
Chem 330	Introductory Biochemistry	3	Chem 226	4
Geog 100	Introductory Geography	3		3

**Total credit hours = 26-27**

### Other Degree Requirements

1. General Education requirements. (Consult the current College Catalog)
2. College Writing Examination
3. At least 48 s.h. (of the 122 s.h. total) must be in upper division courses. The required courses in the major will not fulfill the requirement. Therefore, it is suggested that the student elect additional 200-300 courses in chemistry; in another concentration of the Environmental Sciences major; in Statistics, Math, or Computer Science; or in an area that will enhance communication skills.