

# Sample Schedule: BS in Environmental Chemistry

## FRESHMAN YEAR (29 CR)

Semester 1		Semester 2	
CHEM 211, 213 General Chemistry I	4	CHEM 212, 214 General Chemistry II	4
MATH 113 Anal. Geom. & Calc. I	4	MATH 114 Anal. Geom. & Calc. II	4
HIST requirement	3	BIOL 213 or EVPP 210	4
ENGH 101	3	COMM requirement	3
	<b>14</b>		<b>15</b>

## SOPHOMORE YEAR (31 CR)

Semester 3		Semester 4	
CHEM 313 Organic Chemistry I	3	CHEM 314 Organic Chemistry II	3
CHEM 315 Organic Chemistry Lab I	2	CHEM 318 Organic Chemistry Lab II	2
PHYS 160 or 243 Physics Lec. I	3	CHEM 321 Quant. Chem. Analysis	4
PHYS 161 or 244 Physics Lab I	1	PHYS 260 or 245 Physics Lec. II	3
MATH 213 or STAT 250	3	PHYS 261 or 246 Physics Lab II	1
IT requirement	3	Literature requirement	3
	<b>15</b>		<b>16</b>

## JUNIOR YEAR (29 CR)

Semester 5		Semester 6	
CHEM 331 Physical Chemistry I	3	CHEM 332 Physical Chemistry II	3
CHEM 336 Physical Chemistry Lab I	2	CHEM 337 Physical Chemistry Lab II	2
CHEM 438 Atmospheric Chemistry	3	CHEM 427 Aquatic Environmental	3
GEOL 101	4	GEOL 306	3
ENGH 302	3	Fine Arts requirement	3
	<b>15</b>		<b>14</b>

## SENIOR YEAR (31 CR)

Semester 7		Semester 8	
CHEM 441 or 446 Inorganic Chem.	3	CHEM elective	3
CHEM 422 Instr. Meth. Chem. Anal.	3	CHEM 423 Instr. Meth. Chem. Anal. Lab	2
Global Understanding requirement	3	Synthesis requirement	3
Social and Behavioral Sciences req.	3	Science Elective	3-4
Science Elective	3-4	Electives	3-5
	<b>15-16</b>		<b>14-17</b>

Note: Mason Core courses and Electives can generally be taken during any semester. The major degree requirements are shown in the order in which they should be taken so that pre- and co-requisites are satisfied. Students may choose any combination of courses from the environmental Science Electives category. However, some combinations, may provide a particular focus in the concentration. For example:

Ecotoxicology and/or Biochemical Toxicology  
Hydrogeochemistry  
Chemical Ecology

EVPP 210 or BIOL 213, EVPP 445, CHEM 463  
EVPP 309 or CHEM 458, GEOL 305, GEOL 313  
EVPP 301, EVPP 306/306, GGS 302