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 125	3	BIOL 213 or EVPP 210	4
ENGH 101	3	COMM requirement	3
	14		**15**

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
	15		**16**

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	Arts requirement	3
	15		**14**

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 Contexts requirement	3	Mason Apex requirement	3
Social and Behavioral Sciences req.	3	Science Elective	3-4
Science Elective	3-4	Electives	3-5
	15-16		**14-17**

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

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