CHEMISTRY MAJOR - B.S.

Environmental Chemistry

First Year

Fall		Credits	Spring		Credits
BIOL 110	Evol., Ecol., Plant/Lab	4	CHEM 122	General Chemistry II/Lab	4
CHEM 121	General Chemistry I/Lab	4	CORE 104	Spring Comm. Enrich., G.E.	0
CHEM 192	Freshman Chem. Seminar	0	CORE 113	First Year Seminar, G.E.	3
CORE 103	Fall Comm. Enrich., G.E.	0	FTAE 105	Francis & Glob. Iss., G.E.	3
MATH 121	Calculus I	3	MATH 122	Calculus II	3
SOC SCI 1st	Social Science (1 of 3), G.E.	3	PHYS 121	General Physics I/Lab	4
WRIT 102	Research Writing, G.E.	3			17
		17			

Second Year

Fall			Spring		
CHEM 221	Organic Chemistry I/Lab	4	CHEM 222	Organic Chemistry II/Lab	4
LIT XXX	Literature, G.E.	3	CHEM 251	Quantitative Analysis/Lab	3
MATH 215/BIOL 315	Statistics/Biostatistics	3	CHEM 292	Sophomore Chem. Seminar	0
PHYS 122	General Physics II/Lab	4	HIST 259	Environmental History G.E.	3
XXX	Elective	3	PHIL 205	Reason and Respons., G.E.	3
		17	SOC SCI 2nd	Social Science (2 of 3), G.E.	3
					16

Third Year

Fall			Spring		
BIOL 203	Ecology	4	CHEM XXX	Environ Chemistry Elective***	3
CHEM 321	Physical Chemistry I/Lab	4	CHEM XXX	Chemistry Elective**	4
CHEM 405	Biochemistry I/Lab	4	CHEM 499	Undergraduate Research	1
EXAM 301	Writing Comp. Exam, G.E.	0	CHEM 292	Junior Chem Seminar	0
LANG XXX	Language G.E.	3	XXX	Elective	3
		15	XXX	Elective	3
					14

Fourth Year

Fall			Spring		
CHEM 305	Environ. Chem./Lab	4	CHEM 323	Instrumental Analysis/ Lab	3
CHEM 324	Inorganic Chemistry/Lab	4	CHEM 457	Chemistry and Society	3
CHEM XXX	Chemistry Elective**	3	CHEM XXX	Environ. Chem. Elective***	3
FNAR XXX	Fine Arts, G.E	3	CHEM XXX	Chemistry Elective**	3
PHIL 307	Environmental Ethics* G.E.	3	SOC SCI 3rd	Social Science (3 of 3), G.E.	3
		17			15

****Chemistry electives – 9 or more credits from CHEM 300-400 level classes**

*****Environmental electives: 6 or more credits must be taken from the following. (**Students must take at least one 300 or 400 level course from the Environmental Elective offerings**):**

BIOL 408	Special Problems in Env. Sciences	4	MATH 306	Ordinary Diff. Equations I	3
ENVE 311	Fund. Environ. Engineering I	3	PUBH 101	Introduction to Public Health	3
ENVE 321	Env Engineering Measurements	3	PUBH 202	Introduction to Epidemiology	3
ENVE 424	Ecological Engineering	3	PUBH 401	Global Health	3
MATH 221	Calculus III	3			

*This course satisfies the General Education diversity requirement.

To obtain an ACS certified degree you must take the following classes: CHEM 121, 122, 192, 221, 222, 251, 292, 321, 322, 323, 324, 392, 398/399 OR 499, 405, and 6 credits of CHEM electives (305, 308, 401,404, 407, 410, 501).

Note: Sequence of courses may be altered with advisor's approval. Revised 05/15/2023

Total credits must equal at least 128 hours.