

2024-2025 **Major Academic Plan (MAP)—B.A. Chemistry – Environmental Concentration** Academic Credit Hours 121-129 + ROTC

Freshman											
Fall	LDRS 101 (1)	CHEM 151 (3)	CHEM 163 OR CHEM 161 LAB (1)	MATH 106 OR MATH 131 (3-4)			FSWI 101 (3)	FSEM 101 (3)	ROTC Basic	14-15	
Spring		CHEM 152 (3)	CHEM 164 OR CHEM 162 Lab (1)	MATH 107, MATH 132, or STAT 160 (3-4)	RPED 260 (3)	Elective (3)	BIOL 130 (3)	BIOL 131 (1)	ROTC Basic	17-18 31-33	
Sophomore											
Fall	LDRS 211 (Fall or Spring)	CHEM 207 (3)	CHEM 217 Lab (1)	PHYS 203 (3)	PHYS 271 Lab (1)	Language (3)	Strand 1 (3)	RPED (0)	ROTC Basic	14	
Spring		CHEM 208 (3)	CHEM 218 Lab (1)	PHYS 204 or 222 (3)	CHEM 220 (3)	Language (3)	Strand 2 (3)	RPED (0)	ROTC Basic	16 30	
Junior											
Fall	LDRS 311 (0)			Reqd*** Concentration Course w/Lab (3 or 4)	LDRS 202 (3)	Elective (3)	Elective (3)	Elective (3)	ROTC Advanced	15-16	
Spring		Reqd** Adv. Course w/Lab (3 or 4)	BIOL 209 (3)	LDRS 371 (3)	Strand 3 (3)	Elective (3)			ROTC Advanced	15-16 30-32	
Senior											
Fall	LDRS 411 (0)	Reqd** Adv. Course w/Lab (3 or 4)	Reqd*** Concentration Course w/Lab (3 or 4)	Strand 4 (3)	Elective (3)	Elective (3)			ROTC Advanced	15-17	
Spring		Reqd** Adv. Course w/Lab (3 or 4)	Reqd*** Concentration Course w/Lab (3 or 4)	CHEM 420 CAPSTONE (3)	Elective (3)	Elective (3)			ROTC Advanced	15-17 30 - 34	

**Total: 121 - 129**

Strand Requirements: Students must complete four strand courses, which may be completed in any order: English (ENGS 30X), History (HISS 30X), Social Science (SCSS 30X), and Science (NTSS 30X).  
 \*\*The BA also requires 14 credit hours of advanced electives from the following list of courses: CHEM 300, 302, (305/315), (306/316), 401, 402, 403, 409, 410, 460, 419, or PHYS 204/222.  
 \*\*\*The Environmental Concentration requires three additional courses selected from BIOL 140/141, BIOL 292, BIOL 406, BIOL 409, BIOL 425, BIOL 426, PHYS 243, or PHYS 343.  
 Note: The blue cells represent courses in General Education. The gray cells represent graduation requirements. The orange cells are non-departmental requirements, and yellow cells are major requirements.