Bachelor of Science Degree in Chemistry, College of Science Environmental Chemistry Specialization

niversity Core Curriculum Requirements ¹	41
ollege of Science Academic Requirements	6
Biological Sciences – six hours (not UCC courses) 1,2	
Mathematics – completed with the Chemistry major	
Physical Sciences – completed with the Chemistry major	
Supportive Skills – a minimum of six hours from two subject areas:	
Computer Science 201 or 202; English 290, 291 or 391; Mathematics 282 or 483	3
equirements for Major in Chemistry ¹	60
Introductory: Chemistry 200 ¹ , 201, 210, 211(3) + 7	
Foundation: Chemistry 330, 340, 341, 350 ² , 351, 360, 361, 411, 410	
Mathematics 150 ^{1,3} , 250 and 483 ⁴ (6) + 6	
Physics 205a,b; 255a,b	
Chemistry 431, 434, 442, 443	
Environmental Chemistry Electives	
Select at least three hours at 300- to 400-level in one courses selected from:	
Civil Engineering 310, 418; Forestry 452 with 452L; Geology 418, 421;	
Mechanical Engineering 410, 416; Microbiology 423, 425; Plant and Soil	
Science 442, 446, 447 with 448; Plant Biology 427; Zoology 411 or 432.	
ectives	13
otal	. 120

¹A total of nine hours of biological science, mathematics, and physical science course work are accounted for in the 41-hour University Core Curriculum requirement.

²A total of three hours of biological sciences are completed with biological chemistry or biochemistry. Chemistry 451a may substitute for Chemistry 350, if a student continues with Chemistry 451b.

³Prerequisite is Mathematics 111 or 108 and 109. The elective hours are decreased by three to six hours for students who place into a course lower than calculus.

⁴Three hours of supportive skills are accounted for in the College of Science requirement for Mathematics 483.

Total

Environmental Chemistry Specialization Curricular Guide Chemistry B.S. with ACS Certificate and Environmental Studies Minor

FIRST YEAR FALL SPRING CHEM 200/201, 210/211 General Chemistry 5 5 BIOL 200a, 200b General Biology 4 4 MATH 109, 150 Trig & Calculus I 3 4 ENGL 101 Composition - 3 UCOL 101s Scientific Inquiry 3 - CI 199 Library Info 1 - Total 16 16 SECOND YEAR FALL SPRING BIOL 307 Ecology - 3 CHEM 330 Quantitative Analysis 5 - CHEM 350/351 Biochemistry - 5 CHEM 340/341, 442/443 Organic Chemistry 5 5 CHEM 340/341, 442/443 Organic Chemistry 5 5 MATH 250 Calculus II 4 - ENGL 102 Composition & PHIL 105 Logic 3 3 Total 17 16 THIRD YEAR FALL SPRING CHEM 360/361 Physical Chemistry 4 - CHEM 360/361 Physical Chemistry 4 - CHEM 3			
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