

## **Bachelor of Arts Degree in Chemistry, College of Science Business Specialization**

<i>University Core Curriculum Requirements</i> <sup>1</sup> .....	41
<i>College of Science Academic Requirements</i> .....	6
Biological Sciences – six hours (not UCC courses) <sup>1,2</sup>	
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	
<i>Requirements for Major in Chemistry</i> <sup>1</sup> .....	62
Introductory: Chemistry 200 <sup>1</sup> , 201, 210, 211 .....	(3) + 7
Foundation: Chemistry 330, 340, 341, 350 <sup>2</sup> , 351, 360, 361, 411, 410 .....	24
Mathematics 150 <sup>1,3</sup> , 250 .....	(3) + 5
Physics <sup>4</sup> 205a,b; 255a,b .....	8
Chemistry Elective: 431, 434, 442, 452 or 460 .....	3
Business Coursework .....	(3) + 15
Accounting 220, 230; Economics 240 <sup>1</sup> ; Finance 330;	
Management 304 (or 318); and Marketing 304.	
<i>Electives</i> .....	11
<i>Total</i> .....	120

<sup>1</sup>A total of nine hours of biological science, mathematics, and physical science course work are accounted for in the 41-hour University Core Curriculum requirement. An additional three hours of social science are accounted for if students take Economics 240 in the *Business Specialization*.

<sup>2</sup>A 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.

<sup>3</sup>Prerequisite 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.

<sup>4</sup>Prerequisite is Mathematics 150. Students may take Physics 203a,b and 253a,b to meet requirements for the Bachelor of Arts Degree.

## Business Specialization Curricular Guide

### Chemistry B.A. with Business and Administration Minor

<b>FIRST YEAR</b>	<b>FALL</b>	<b>SPRING</b>
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	-
<i>Total</i>	16	16

<b>SECOND YEAR</b>	<b>FALL</b>	<b>SPRING</b>
Accounting 220 & Business 123	-	4
CHEM 330 Quantitative Analysis	5	-
CHEM 350/351 Biochemistry	-	5
CHEM 340/341 Organic Chemistry	5	-
MATH 250 Calculus II	4	-
ENGL 102 Composition & PHIL 105 Logic	3	3
Psychology 102	-	3
<i>Total</i>	17	15

<b>THIRD YEAR</b>	<b>FALL</b>	<b>SPRING</b>
Accounting 230 & Finance 330	3	3
CHEM 360/361 Physical Chemistry	4	-
ECON 240, 241 Microeconomics, Macroeconomics	3	3
PHYS 205a,b 255a,b University Physics	4	4
UCC Human Health & Speech 101	2	3
ENGL 290 Writing	-	3
<i>Total</i>	16	16

<b>FOURTH YEAR</b>	<b>FALL</b>	<b>SPRING</b>
BUS 302 Career & MATH 282 Statistics	4	-
CHEM 434 Instrumental Analysis	4	-
CHEM 410/411 Inorganic Chemistry	-	5
Marketing 304 & Management 304	3	3
UCC Fine Arts & Multicultural	3	3
UCC Humanities	-	3
<i>Total</i>	14	14