

CHEMISTRY MAJOR  
Bachelor of Arts Degree  
 120 Semester Hours Minimum

Name \_\_\_\_\_  
 Campus Address \_\_\_\_\_ Phone \_\_\_\_\_  
 Second Major \_\_\_\_\_ Minor 1 \_\_\_\_\_ Minor 2 \_\_\_\_\_  
 Transferred \_\_\_\_\_ credits from \_\_\_\_\_ Advisor \_\_\_\_\_

Chemistry Courses - Required

\_\_\_\_\_ 860:044 General Chem I 4 hr  
 \_\_\_\_\_ 860:048 Gen Chem II 4 hr  
**or**  
 \_\_\_\_\_ 860:070 Gen Chem I-II 5 hr  
 \_\_\_\_\_ 860:110 Descriptive Inorganic 4 hr  
 \_\_\_\_\_ 860:120 Organic Chem I 3 hr  
 \_\_\_\_\_ 860:121 Organic Chem Lab I 2 hr  
 \_\_\_\_\_ 860:123 Organic Chem II 3 hr  
 \_\_\_\_\_ 860:132 Quantitative Analysis 4 hr  
 \_\_\_\_\_ 860:137 Instrumental Analysis 4 hr  
 \_\_\_\_\_ 860:140 Physical Chem I 3 hr  
 \_\_\_\_\_ 860:141 Physical Chem:II 3 hr

31 - 34 hours

Recommended

860:180 Undergrad Research

Math & Physics Courses

\_\_\_\_\_ 800:060 Calculus I 4 hr  
 \_\_\_\_\_ 800:061 Calculus II 4 hr  
 \_\_\_\_\_ 880:054 Physics I 4 hr  
 \_\_\_\_\_ 880:056 Physics II 4 hr  
**or**  
 \_\_\_\_\_ 880:130 Pysics I for Sci & Eng 4 hr  
 \_\_\_\_\_ 880:131 Physics II for Sci & Eng 4 hr

16 - 19 hours

**Total: 47 - 50 hours**

General Education (43 hours minimum)

Category I: Civilization & Cultures

\_\_\_\_\_ A. Humanities I 4 Hrs  
 \_\_\_\_\_ Humanities II 4 Hrs

\_\_\_\_\_ B. Non-Western Cultures  
 \_\_\_\_\_ 3 Hrs

Category II: Fine Arts, Literature, Philosophy,  
 and Religion

\_\_\_\_\_ A. Fine Arts  
 \_\_\_\_\_ 3 Hrs  
 \_\_\_\_\_ B. Literature, Philosophy, or Religion  
 \_\_\_\_\_ 3 Hrs

Category III: Natural Science & Technology

X \_\_\_\_\_ A. Sphere I Satisfied (860:044 or 070)  
 \_\_\_\_\_ 4 Hrs  
 \_\_\_\_\_ B. Sphere II  
 \_\_\_\_\_ 3 or 4 Hrs

\_\_\_\_\_ C. Capstone 2 Hrs

Category IV: Social Science (9 hrs total)

\_\_\_\_\_ Group A  
 \_\_\_\_\_ 3-6 Hrs  
 \_\_\_\_\_ Group B  
 \_\_\_\_\_ 3-6 Hrs  
 \_\_\_\_\_ Group C  
 \_\_\_\_\_ 0-3 Hrs

Category V: Communication Essentials

\_\_\_\_\_ A. Writing and Reading  
 \_\_\_\_\_ 3 Hrs  
 \_\_\_\_\_ B. Speaking and Listening  
 \_\_\_\_\_ 3 Hrs  
 \_\_\_\_\_ C. Quant Techniques & Understanding  
 \_\_\_\_\_ 3 Hrs

Category VI: Personal Wellness

\_\_\_\_\_ 440:010 Personal Wellness 3 Hrs

Major in Chemistry - Bachelor of Arts

SUGGESTED SCHEDULE

FRESHMEN YEAR

<u>FALL</u>		<u>SPRING</u>	
860:044 General Chemistry I	4	860:048 General Chemistry II	4
800:040 Intermediate Algebra*	4	800:046 Elementary Analysis*	4
880:054 General Physics I	4	880:056 General Physics II	4
General Education	<u>3</u>	General Education	<u>3</u>
	15		15

ALTERNATE 1ST YEAR FOR WELL-PREPARED FRESHMEN (Department approval required)

<u>FALL</u>		<u>SPRING</u>	
860:070 General Chemistry I-II	5	860:132 Quantitative Analysis	4
800:060 Calculus I	4	800:061 Calculus II	4
880:054 General Physics I	4	880:056 General Physics II	4
General Education	<u>3</u>	General Education	<u>3</u>
	17		15

SOPHOMORE YEAR

<u>FALL</u>		<u>SPRING</u>	
860:120 Organic Chemistry I	3	860:123 Organic Chemistry II	3
860:121 Organic Chemistry Lab I	2	860:132 Quantitative Analysis	4
800:060 Calculus I	4	800:061 Calculus II	4
General Education	7	General Education	<u>5</u>
	17		16

JUNIOR YEAR

<u>FALL</u>		<u>SPRING</u>	
860:110 Descriptive Inorganic Chemistry	4	860:141 Physical Chemistry:Kinetics	3
860:140 Physical Chemistry:Thermo	3	Gen Ed/ Electives	<u>13</u>
Gen Ed/Electives	<u>9</u>		16
	16		

SENIOR YEAR

<u>FALL</u>		<u>SPRING</u>	
860:137 Instrumental Analysis	4	Gen Ed/Electives**	<u>15</u>
Gen Ed/Electives	<u>11</u>		15
	15		

\*The highest-level math course for which the student is prepared should be chosen. Students who have completed two years of high school algebra should choose 800:146.

\*\*860:180 Undergraduate Research is a recommended elective.

	<u>Total Hours</u>
General Education	43 hours
Major	50 hours minimum
University Electives/Minor	<u>31 hours</u>
	124 hours minimum

ADVISING NOTE: The above program represents one example of a variety of alternative schedules for completing the Chemistry B.A. Major. Requirements are subject to change.