

CHEMISTRY MAJOR
Bachelor of Science Degree (Non Certified)
 126 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:Thermo 3 hr
 ____ 860:141 Physical Chem:Kinetics 3 hr
 ____ 860:143 Physical Chem Lab 2 hr
 ____ 860:180 Undergrad Research 2 hr

35 - 38 hours

Chemistry Course - Electives

Chemistry Lecture course carrying
 P Chem prerequisite
 _____ 3 hr
 ____ 100 Level Chemistry Course 3 hr

Math & Physics Courses

____ 800:060 Calculus I 4 hr
 ____ 800:061 Calculus II 4 hr
 ____ 880:130 Physics I 4 hr
 ____ 880:131 Physics II 4 hr
or
 ____ 880:054 General Physics I 4 hr
 ____ 880:056 General Physics II 4 hr
 ____ 100-Level Cognate Minimum 3 hr

16 - 19 hours

Total: 57 - 63 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 Science

SUGGESTED SCHEDULE

FRESHMEN YEAR

<u>FALL</u>		<u>SPRING</u>	
860:044 General Chemistry I	4	860:048 General Chemistry II	4
800:060 Calculus I	4	800:061 Calculus II	4
General Education	<u>8</u>	General Education	<u>8</u>
	16		16

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
General Education	<u>7</u>	General Education	<u>8</u>
	16		16

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
880:130 Physics I *	4	880:131 Physics II	4
General Education	<u>8</u>	General Education	<u>6</u>
	17		17

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	860:143 Physical Chemistry Lab	2
Gen Ed/Electives	<u>9</u>	Gen Ed/ Electives	<u>11</u>
	16		16

SENIOR YEAR

<u>FALL</u>		<u>SPRING</u>	
860:180 Undergraduate Research	1	860:137 Instrumental Analysis	4
Chemistry B. S. Elective	3	860:180 Undergraduate Research	1
Gen Ed/Electives	<u>12</u>	Chemistry B.S. Elective	3
	16	Gen Ed/Electives	<u>8</u>
			16

*Physics Option: 880:054 General Physics I, 880:056 General Physics II, and one 100-level cognate elective of at least 3 credit hours may be substituted for the stated physics requirement.

Total Hours

General Education	43 hours
Major	57 hours minimum
University Electives/Minor	<u>30 hours</u>
	130 hours minimum

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