

**Chemistry – B.S./M.S. Combined (CHBM)**

Recommended Four-Year Plan (Fall 2014)

This recommended four year plan is provided as an **outline** for students to follow in order to complete their degree requirements within four years. This plan is a **recommendation** and students should only use it in consultation with their academic advisor. Students should be aware that this plan assumes that no developmental courses are required. If developmental courses are needed, students may have additional requirements to fulfill which do not appear on the four year plan.

**First Year**

Fall Semester	HRS	✓	Spring Semester	HRS	✓
CHEM 120 General Chemistry I (Gen Ed Nat/Sci)	4		CHEM 121 General Chemistry II	4	
CHEM 190 Fresh. Seminar in Chemistry	1		MATH 221 Calculus II	4	
MATH 122 Calculus I	4		World Languages	3	
World Languages	3		ENWR 106 College Writing II	3	
ENWR 105 College Writing I	3		General Ed. - Fine & Performing Arts	3	
<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>17</b>	

**Second Year**

Fall Semester	HRS	✓	Spring Semester	HRS	✓
CHEM 230 Organic Chemistry I	3		CHEM 231 Organic Chemistry II	3	
CHEM 232 Exper. Organic Chemistry I	2		CHEM 233 Exper. Organic Chemistry II	2	
PHYS 191 University Physics I (Gen Ed L Elective)	4		PHYS 192 University Physics II	4	
CSIT 100 Intro to Computer Concepts	3		CMST 101 Fundamentals of Speech	3	
Free Elective	3		CHEM 220 Descriptive Inorganic Chemistry	3	
<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>15</b>	

**Third Year**

Fall Semester	HRS	✓	Spring Semester	HRS	✓
CHEM 310 Analytical Chemistry	5		CHEM 311 Instrumental Analysis	4	
CHEM 340 Physical Chemistry I	3		CHEM 341 Physical Chemistry II	3	
CHEM 370 Biochemistry I	3		CHEM 343 Experimental Physical Chemistry	2	
Free Elective	3		STAT 330	3	
General Ed. – World Lit./Gen. Humanities	3		World Cultures	3	
			General Ed. – Health/Physical Education	1	
<b>TOTAL</b>	<b>17</b>		<b>TOTAL</b>	<b>16</b>	

**Fourth Year**

Fall Semester	HRS	✓	Spring Semester	HRS	✓
CHBM Electives (see dept list section 2)	3		CHEM 495 The Chemical Literature	1	
General Ed. – American/European History	3		CHBM Electives (see dept list section 2)	3	
General Ed.- Non-Western Cult. Persp	3		General Ed. - Philosophy/Religion	3	
STAT 401	3		General Ed. – Social Science	3	
CHEM 499 Undergraduate Research	1-3				
<b>TOTAL</b>	<b>13-15</b>		<b>TOTAL</b>	<b>10</b>	

SEE DEPARTMENT FOR GRADUATE COURSE REQUIREMENTS TO COMPLETE COMBINED BS/MS DEGREE IN CHEMISTRY

**Total Required:** 120 credits