

**SUGGESTED FOUR-YEAR PLAN OF STUDY FOR THE CHEMISTRY MAJOR  
B.S. with Biochemistry Concentration (Meets ACS Certification)**

**FRESHMAN YEAR**

<i>Fall Semester (16 SH)</i>				SH	<i>Spring Semester (16 SH)</i>				SH
CHM	1310G	General Chemistry I	3		CHM	1410	General Chemistry II	3	
CHM	1315G	General Chemistry Laboratory I	1		CHM	1415	General Chemistry Laboratory II	1	
ENG	1001G	Composition and Language	3		ENG	1002G	Composition and Literature	3	
PHY	1351G	General Physics I	3		PHY	1361	General Physics II	3	
PHY	1352G	General Physics I Laboratory	1		PHY	1362	General Physics II Laboratory	1	
MAT	1441G	Calculus and Analytic Geometry I	5		MAT	2442	Calculus and Analytic Geometry II	5	

**SOPHOMORE YEAR**

<i>Fall Semester (18 SH)</i>				SH	<i>Spring Semester (13 - 14 SH)</i>				SH
CHM	2440	Organic Chemistry I	3		* CHM	2310	Inorganic Chemistry I	3	
CHM	2445	Organic Chemistry Laboratory I	1		CHM	2840	Organic Chemistry II	3	
CHM	2730	Quantitative Analysis	3		CHM	2845	Organic Chemistry Laboratory II	1	
* CHM	3500	Introduction to Chemical Research	1				General Education Elective	6-7	
BIO	1100	General Biology	4						
CMN	1310G	Intro to Speech Communication	3						
		General Education Electives	3						

**JUNIOR YEAR**

<i>Fall Semester (15 SH)</i>				SH	<i>Spring Semester (15 - 17 SH)</i>				SH
CHM	3000	Chemistry Seminar I	0		CHM	3001	Chemistry Seminar II	1	
* CHM	3450	Biochemistry I	3		* CHM	3455	Biochemistry Laboratory	2	
* CHM	3780	Instrumental Analysis	3		* CHM	3460	Biochemistry II	3	
* CHM	3910	Chemical Thermodynamics & Kinetics	3		* CHM	3915	Physical Chemistry Laboratory	2	
		General Education Electives	6		* CHM	3920	Quantum Chemistry	3	
							General Education Electives	6	

**SENIOR YEAR**

<i>Fall Semester (14 - 15 SH)</i>				SH	<i>Spring Semester (13 - 15 SH)</i>				SH
CHM	4000	Chemistry Seminar III	0		CHM	4001	Chemistry Seminar IV	1	
* CHM	4860	Biochemistry III	3				General Education Elective(s)	xx	
EIU	40xxG	Senior Seminar	3		# Electives			xx	
		General Education Elective	3						
# Electives			5-6						

**Minimum Hours Required for Graduation: 120**

Forty semester hours of course work numbered 3000 and above are required.  
BIO 3200 or BIO 3300 required

\* Offered only during the term listed

# Five semester hours of electives in CHM or BIO must be included. Must include two additional semester hours of 4000 level lab.