

**SUGGESTED FOUR-YEAR PLAN OF STUDY FOR THE CHEMISTRY MAJOR  
B.S. with Chemistry 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 (17 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 Electives			6-7
CMN	1310G	Intro to Speech Communication	3						
		General Education Electives	6						

**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	3915	Physical Chemistry Laboratory	2		
* CHM	3780	Instrumental Analysis	3	* CHM	3920	Quantum Chemistry	3		
* CHM	3910	Chemical Thermodynamics & Kinetics	3			General Education Electives			6
		General Education Electives	6			Electives <sup>b</sup>			3-5

**SENIOR YEAR**

<i>Fall Semester (15 SH)</i>				SH	<i>Spring Semester (13 - 16 SH)</i>				SH
CHM	4000	Chemistry Seminar III	0	CHM	4001	Chemistry Seminar IV	1		
* CHM	4900	Inorganic Chemistry II	3	* CHM	4915	Advanced Laboratory	3		
EIU	40xxG	Senior Seminar	3			General Education Electives			6
		General Education Electives	6			Electives <sup>b</sup>			3-6
		Electives <sup>b</sup>	3						

**Minimum Hours Required for Graduation: 120**(must include 40 SH of course work numbered  $\geq$  3000)

\* Offered only during the term listed

<sup>b</sup> Electives:

→ 5 SH of CHM electives must be included. Must include two additional semester hours of 4000-level lab (in addition to CHM 4915). Courses that may be used to satisfy this lab requirement would be Undergrad. Research (CHM 4400x), Honors Research (CHM 4555x), or CHM 4770.