

**SUGGESTED FOUR-YEAR PLAN OF STUDY FOR THE CHEMISTRY MAJOR  
B.S. with Biochemistry Concentration and Pre-Med Emphasis (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	2
MAT	1441G	Calculus and Analytic Geometry I	5	MAT	2442	Calculus and Analytic Geometry II	5

**SOPHOMORE YEAR**

<i>Fall Semester (15 SH)</i>			SH	<i>Spring Semester (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	CMN	1310G	Intro to Speech Communication	3
BIO	1100	General Biology	4	BIO	1300G	Animal Diversity	4
		General Education Elective	3				

**JUNIOR YEAR**

<i>Fall Semester (15 - 16 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 Elective	3	* CHM	3920	Quantum Chemistry	3
# Electives			3-4			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 Electives	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.

\* 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. BIO 3200 or 3300 required (BIO 3200 and BIO 3520 recommended in preparation for medical school)