

**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	1
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 <sup>a</sup>			3				

**JUNIOR YEAR**

<i>Fall Semester (15 - 16 SH)</i>			SH	<i>Spring Semester (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 <sup>a</sup>			3	* CHM	3920	Quantum Chemistry	3
Electives <sup>b</sup>			3-4	General Education Electives <sup>a</sup>			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 <sup>a</sup>			3				
Electives <sup>b</sup>			5-6				

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

\* Offered only during the term listed

<sup>a</sup> General Education Electives:

→ In preparation for medical school, it is recommended that two of the Social and Behavioral Sciences General Education courses be PSY 1879G and SOC 1838G.

<sup>b</sup> Electives:

→ 5 SH of CHM electives must be included. Must include two additional semester hours of 4000-level lab.

→ BIO 3200 or BIO 3300 required

→ BIO 2210, 2220, 3120, 3200, 3300, and 3624 are recommended in preparation for medical school.