

**SUGGESTED FOUR-YEAR PLAN OF STUDY FOR THE CHEMISTRY MAJOR
B.S. with Chemistry Concentration (Meets ACS certification) and Pre-Med Emphasis**

FRESHMAN YEAR

<i>Fall Semester (16 SH)</i>			SH	<i>Spring Semester (14 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	1151G or 1351G	Principles/General Physics I	3	PHY	1161G or 1361G	Principles/General Physics II	3
PHY	1152G or 1352G	Principles/General Physics I Laboratory	1	PHY	1162G or 1362G	Principles/General Physics II Lab	1
MAT	1441G	Calculus and Analytic Geometry I	5	CMN	1310G	Intro to Speech Communication	3

SOPHOMORE YEAR

<i>Fall Semester (15-18 SH)</i>			SH	<i>Spring Semester (15 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	BIO	2210	Anatomy and Physiology I	4
BIO	1500	General Biology I	4	BIO	3120	Molecular & Cellular Biology	4
General Education Elective(s) ^a			3-6				

JUNIOR YEAR

<i>Fall Semester (17 SH)</i>			SH	<i>Spring Semester (13-16 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	3910	Physical Chemistry Foundations	3	* CHM	4920	Advanced Physical Chemistry	3
BIO	2220	Anatomy and Physiology II	4	BIO	3200	Genetics	4
BIO	3300	Microbiology	4	General Education Electives ^a			3-6
General Education Electives ^a			0-3	Chemistry Electives ^a			0-3
Chemistry Electives ^a			0-3				

SENIOR YEAR

<i>Fall Semester (16 SH)</i>			SH	<i>Spring Semester (13 - 16 SH)</i>			SH
CHM	4000	Chemistry Seminar III	0	CHM	4001	Chemistry Seminar IV	1
* CHM	4830	Instrumental Analysis	3	* CHM	4915	Advanced Laboratory	3
* CHM	4900	Inorganic Chemistry II	3	EIU	4xxxG	Senior Seminar	3
BIO	3624	Histology	4	MAT	2250G	Elementary Statistics	4
General Education Electives ^a			3-6	General Education Electives ^a			3-6
Chemistry Electives ^a			0-3				

* Offered only during the term listed

Minimum Hours Required for Graduation: 120^a 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, and that one of the Humanities General Education courses be PHI 1000G.

^b Electives:

→ 3 SH of CHM electives must be included. For ACS certification, 1 semester hour of 3000 level or higher chemistry laboratory work. Courses that may be used to satisfy this requirement include CHM 3455, CHM 44001-44004, CHM 45551-45552, CHM 4780.