

**SUGGESTED FOUR-YEAR PLAN OF STUDY FOR THE CHEMISTRY MAJOR  
B.A. in Chemistry**

**FRESHMAN YEAR**

<i>Fall Semester (16 SH)</i>		SH	<i>Spring Semester (15-16 SH)</i>		SH
CHM 1310G/1390G	General Chemistry I	3	CHM 1410	General Chemistry II	3
CHM 1315G/1395G	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	MAT 2442 or 2250G	Calculus II or Elementary Statistics	4-5

**SOPHOMORE YEAR**

<i>Fall Semester (17 SH)</i>		SH	<i>Spring Semester (16 - 17 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	2nd Program courses <sup>c</sup>		3
CMN 1310G	Intro to Speech Communication	3	General Education Electives <sup>b</sup>		6-7
General Education Electives <sup>b</sup>		6			

**JUNIOR YEAR**

<i>Fall Semester (12 - 16 SH)</i>		SH	<i>Spring Semester (13 - 18 SH)</i>		SH
CHM 3000	Chemistry Seminar I	0	CHM 3001	Chemistry Seminar II	1
* CHM 3450	Biochemistry I <sup>d</sup>	0-3	* CHM 3300	Survey of Biochemistry <sup>d</sup>	0-3
* CHM 3910	Physical Chemistry Foundations	3	Electives <sup>a</sup>		3
2nd Program courses		3-4	2nd Program courses		6-8
General Education Electives <sup>b</sup>		6	General Education Electives <sup>b</sup>		0-6

**SENIOR YEAR**

<i>Fall Semester (15-18 SH)</i>		SH	<i>Spring Semester (12 - 18 SH)</i>		SH
EIU 40xxG	Senior Seminar	3	Chemistry Electives <sup>a</sup>		3-6
Chemistry Electives <sup>a</sup>		3	2nd Program courses		3-8
2nd Program courses		3-6	General Education Electives <sup>b</sup>		0-6
General Education Electives <sup>b</sup>		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> 6 SH of CHM electives must be included. A maximum of 3 semesters hours of Research (CHM 44001-44004 and/or 45551-45554) may be used to satisfy this requirement. CHM 1040G, 3025G, 3100, 3200, and 4001 may NOT be used as electives.<sup>b</sup> Additional upper division electives, 2 program course, or general education courses may be needed to satisfy the 40 SH of upper division coursework.<sup>c</sup> It is assumed that students choosing this major are going to double major in a second area.<sup>d</sup> Either CHM3450 or CHM3300 is required.