

**SUGGESTED FOUR-YEAR PLAN OF STUDY FOR THE CHEMISTRY MAJOR
B.S. with Biochemistry 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 (18 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 Elective	6-7	
BIO	1100 ^a	General Biology	4						
CMN	1310G	Intro to Speech Communication	3						
		General Education Electives	3						

JUNIOR YEAR

<i>Fall Semester (15 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 Electives	6		* CHM	3920	Quantum Chemistry	3	
							General Education Electives	6	

SENIOR YEAR

<i>Fall Semester (12 - 14 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 Elective(s)	xx	
EIU	40xxG	Senior Seminar	3				Electives ^b	xx	
		General Education Elective	3						
		Electives ^b	3-5						

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

* Offered only during the term listed

^a BIO 1100 will be replaced with BIO 1500 in Spring 2017.^b Electives:

→ 5 SH of electives in CHM and/or in BIO must be included (see allowed list of BIO elective courses in catalog). ACS-Approval would necessitate having at least 2 SH out of the 5 SH include two additional semester hours of 4000-level CHM lab. Courses that may be used to satisfy this lab requirement would be Undergrad. Research (CHM 4400x), Honors Research (CHM 4555x), CHM 4770, or CHM 4915.

→ BIO 3200 or BIO 3300 required