

**SUGGESTED FOUR-YEAR PLAN OF STUDY FOR THE BIOCHEMISTRY MAJOR
B.S. in Biochemistry (Biochemistry Concentration)**

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 (15 SH)</i>	SH	<i>Spring Semester (14-17 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	BIO 1550G ^a General Biology II ^d	4
BIO 1500 General Biology	4	General Education Electives	3-6
CMN 1310G Intro to Speech Communication	3		

JUNIOR YEAR

<i>Fall Semester (16 SH)</i>	SH	<i>Spring Semester (15 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 4830 Instrumental Analysis	3	* CHM 3460 Biochemistry II	3
* CHM 3910 Foundations of Physical Chemistry	3	* CHM 4920 ^c Quantum Chemistry (or CHM 4900)	0-3
BIO 3200 ^b Genetics (or BIO 3300 Microbiology)	4	General Education Electives	6
General Education Electives	3	Chemistry Electives ^d	0-3

SENIOR YEAR

<i>Fall Semester (12-15 SH)</i>	SH	<i>Spring Semester (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)	6
* CHM 4900 ^c Inorganic Chemistry II (or CHM 4920)	0-3	Chemistry Electives ^d	3
EIU 4xxxG Senior Seminar	3		
General Education Elective	3-6		
Chemistry Electives ^d	0-3		

* Offered only during the term listed

Minimum Hours Required for Graduation: 120^a → or other BIO gen ed^b → either BIO 3200 or BIO 3300 required, though 2nd course can count as CHM elective^c → either CHM 4900 or CHM 4920 required^d → 6 SH of electives in CHM and/or BIO must be included. BIO courses require approval by your academic advisor. Additionally 2-4 SH of 3000-4000 level CHM lab is required. Courses that may be used to satisfy this requirement include Undergraduate Research I-IV: CHM 44001-44004, Honors Research I-II: CHM 45551 and 45552, CHM 4770, 4780, or CHM 4915. ACS certification will require 1 additional sh of CHM 4400.