Catalog Year 2026-2027

Department of Chemistry
EASTERN ILLINOIS UNIVERSITY
Charleston, Illinois 61920

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

FRESHMAN YEAR

Fall Semester (16 SH)			SH	*Spring Semester (14-15 SH)*			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 I	3	ENG	1002G	Composition and Literature II	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[a] or Gen Ed Elective			3-4

SOPHOMORE YEAR

Fall Semester (15 SH)			SH	*Spring Semester (15 SH)*			SH
CHM	2440	Organic Chemistry I	3	CHM	2840	Organic Chemistry II	3
CHM	2445	Organic Chemistry Laboratory I	1	CHM	2845	Organic Chemistry Laboratory II	1
CHM	2730	Quantitative Analysis	3	BIO	1550G	General Biology II	4
* CHM	3500	Introduction to Chemical Research	1	* BIO	3120G	Molecular and Cellular Biology	4
BIO	1500	General Biology	4	SOC	1838G	Introductory Sociology	3
CMN	1310G	Intro to Speech Communication	3				

JUNIOR YEAR

Fall Semester (14 SH)			SH	*Spring Semester (17 SH)*			SH
CHM	3000	Chemistry Seminar I	0	* CHM	2310	Inorganic Chemistry I	3
* CHM	3450	Biochemistry I	3	CHM	3001	Chemistry Seminar II	1
BIO	2210/2291	Anatomy and Physiology I	4	* CHM	3455	Biochemistry Laboratory	2
* BIO	3200	Genetics	4	* CHM	3460	Biochemistry II	3
PSY	1879G	Introductory Psychology	3	BIO	2220/2292	Anatomy and Physiology II	4
				BIO	3300/3390	General Microbiology	4

SENIOR YEAR

Fall Semester (15-16 SH)			SH	*Spring Semester (12 SH)*	SH
* CHM	3910	Physical Chemistry Foundations	3	Health Sciences Electives[b]	3
* CHM	4860	Advanced Biochemistry	3	General Education Electives	3
* BIO 4750[a] or Gen Ed			3-4	General electives (economics)[c]	3
EIU	4xxxG	Senior Seminar	3	Ethics Elective[b]	3
Health Sciences Electives[b]			3		

* Offered only during the term listed

Minimum Hours Required for Graduation: 120

[a] Either MAT 2250 or BIO 4750 is required.

[b] 6 SH required, at least 3 must be from CHM. 3 semester hours maximum of Undergraduate Research CHM 4400, Honors Research CHM 4555, and/or Clinical Rotations BIO 3690 may be used to satisfy the requirements for a biochemistry degree. Only 3000+ BIO courses selected in consultation with student's advisor and approved by the Chem Department chair may count for electives. CHM 1040G, 3025G, 3200, 3300, and 4001 cannot be used.

[c] Choice of ECN 2800G, 2801G, or 2802G

[d] Choice of PHI 1900G or PHI 2500G

Rev.: 07/26