Catalog Year 2016-2017

Department of Chemistry
Eastern Illinois University
Charleston, IL 61920

SUGGESTED ACCELERATED 5-YEAR PLAN OF STUDY FOR BS/MS DEGREES

B.S. with Chemistry Concentration (ACS-approved) plus MS Chemistry

FRESHMAN YEAR

	Fall Semester (16 SH)		SH		***Spring Semester (16 SH)***		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

	Fall Semester (17 SH)		SH		***Spring Semester (16 SH)***		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		S/B Gen Ed/ Diversity		3
	CMN 1310G	Intro to Speech Communication	3		S/B Gen Ed		3
	S/B Gen Ed		3		HUM Gen Ed		3
	Bio Gen Ed		3				

JUNIOR YEAR

	Fall Semester (16 SH)		SH		***Spring Semester (15 SH)***		SH
	CHM 3000	Chemistry Seminar I	0		CHM 3001	Chemistry Seminar II	1
*	CHM 3780	Instrumental Analysis	3	*	CHM 3920	Quantum Chemistry	3
*	CHM 3450	Biochemistry I	3	*	CHM 3915	Physical Chemistry Lab	2
*	CHM 3910	Chemical Thermodynamics & Kinetics	3		H/FA elective (upper division)		3
	FA elective (upper division)		3	^#	Electives		6
^#	Electives		4				

SENIOR YEAR

	Fall Semester (UG 13 SH; G 3SH)		SH		***Spring Semester (UG 11 SH; G 6SH)***		SH
	CHM 4000	Chemistry seminar III	0		CHM 4001	Chemistry Seminar IV	1
	EIU 41xxG	Senior Seminar	3	^#	Electives		6
	CHM 4900	Inorganic Chemistry II	3	^#	CHM 4400x	Undergrad research (UG CHM elec)	1
^#	CHM 4400x	Undergrad research (UG CHM elec)	1		CHM 4915	Advanced Laboratory	3
^#	Electives		6		CHM >4750	Graduate elective	3
or	CHM 5210	Bonding and Reactivity	3	or	CHM 5189	Bioanalytical	3
	CHM 5420	Modern Organic			CHM 5360	Supramolecular Chemistry	

GRADUATE YEAR → *turn page*

GRADUATE YEAR

Summer #1 (3 SH)

CHM	5890x	Graduate Research	3

	Fall Semester (9 SH)			SH
	CHM	>4750 Elective		3
*	CHM	5003	Reading Chemical Literature	1
or	CHM	5210	Bonding and Reactivity	3
	CHM	5420	Modern Organic	
	CHM	5890x	Graduate Research	1
*	CHM	5002	Introduction to Research	1
	CHM	5000	Graduate Seminar I	0

	Spring Semester (9 SH)			SH
	CHM	5001	Graduate Seminar II	1
	CHM	5950	Thesis	3
or	CHM	5189	Bioanalytical	3
	CHM	5360	Supramolecular Chemistry	
	CHM	5890x	Graduate Research	2

Summer #2 (if necessary)

			SH
CHM	5890x	Graduate Research	3

NOTES

* Only offered in semester listed

UNDERGRADUATE NOTES

Transfer students should complete Math and Physics requirements during the two years before transferring.

Minimum hours for graduation: 120

^ Undergraduates must have 40 hours of coursework numbered 3000 and above

\# Five semester hours of Chemistry electives needed, including the two hours of CHM 4400x.

GRADUATE NOTES

Limit of 9 hours Thesis (5950) and Research (5890x)

Graduate students must have 30 hours total with 20 hours at the 5000 level

With advanced permission, nine hours of courses numbered 4750 through 5499 can be carried over from senior year to be counted for graduate credit

Rev. 6/16