

**SUGGESTED FOUR-AND-A-HALF-YEAR PLAN OF STUDY**  
**B.S. in Science with Teacher Certification (Chemistry Specialization)<sup>1</sup>****FIRST 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

**SECOND YEAR**

<i>Fall Semester (14 - 18 SH)</i>			SH	<i>Spring Semester (14 - 18 SH)</i>			SH
BIO	1100	General Biology	4	BIO	1200G	General Botany	4
CHM	2730	Quantitative Analysis	3	* CHM	2310	Inorganic Chemistry I	3
PLS	1153G	American Government & Constitution	3	CHM	2430	Survey of Organic Chemistry	3
#, @ SED	2000	Inquiry Into Teaching	1	CHM	2435	Survey of Organic Chemistry Lab	1
# SPC	1310G	Speech Communication	3	#, @ EDF	2555	Diversity of Schools & Societies	3
	For Lang (if needed)		0-4		For Lang (if needed)		0-4

**THIRD YEAR**

<i>Fall Semester (19 SH)</i>			SH	<i>Spring Semester (12 SH)</i>			SH
BIO	1300G	Animal Diversity	4	ESC	1400G	Weather and Climate	4
CHM	3100	Practicum in Chemistry	1	#, @ SED	3100 <sup>2</sup>	Secondary Education: ASEP Level II	3
CHM	3300	Survey of Biochemistry	3		Gen Ed Fine Arts or		3
ESC	1300G	Introduction to Earth Sciences	4		Humanities-Cult Div		
* PHY	3150	Electronics	4		Elective		0-2
#, @ SED	3000	Secondary Education: ASEP Level I	3				

**FOURTH YEAR**

<i>Fall Semester (12 - 15 SH)</i>			SH	<i>Spring Semester (15 - 16 SH)</i>			SH
CHM	3000	Chemistry Seminar I	0	CHM	3001	Chemistry Seminar II	1
* CHM	3780 <sup>3</sup>	Instrumental Analysis	3	* CHM	3915 <sup>3</sup>	Physical Chemistry Laboratory	2-3
	or Gen Ed Humanities				or Gen Ed Humanities		
* CHM	3910	Chemical Thermodynamics & Kinetics	3	ESC	2450G	Oceanography	3
#, * PHS	3400 <sup>2</sup>	Teaching Methods	3	EIU	40xxG	Senior Seminar	3
	Gen Ed Soc/Beh Sci		3		Gen Ed Fine Arts		3
					Gen Ed Soc/Beh Sci		3

**FIFTH YEAR**

<i>Fall Semester (15 SH)</i>			SH
@ STG	4001	Student Teaching	12-14
@ SED	4000	Secondary Education: ASEP Level III	3

**Minimum Hours Required for Graduation: 130**<sup>1</sup> Professional education requirements are satisfied via the Alternate Secondary Education Program (ASEP). See Undergraduate Catalog for alternate sequence.<sup>2</sup> Requires University Approval to take Teacher Ed Courses<sup>3</sup> CHM 3780 **OR** CHM 3915.

\* Offered only during the term listed

# Requires a "C" or better.

@ Required for ASEP Program.

The State of Illinois requires the student to have at least one other teaching area in addition to chemistry such as physics (10hrs), general science (8 hrs/physical, 8 hrs/biological sciences), etc.