

**SUGGESTED FOUR-AND-A-HALF-YEAR PLAN OF STUDY<sup>1,2</sup>**  
**B.S. in Science with Teacher Certification (Chemistry Specialization)****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		
MAT	1441G	Calculus and Analytic Geometry I	5	MAT	2442	Calculus and Analytic Geometry II	5		
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		

**SECOND YEAR**

<i>Fall Semester (12- 16 SH)</i>				SH	<i>Spring Semester (13 - 17 SH)</i>				SH
CHM	2430	Survey of Organic Chemistry	3	* CHM	3300	Survey of Biochemistry	3		
CHM	2435	Survey of Organic Chemistry Lab	1	BIO	1100	General Biology	4		
CHM	2730	Quantitative Analysis	3	EDF	2555G	Diversity of Schools & Societies	3		
SED	2000	Inquiry Into Teaching	2			Gen Ed FA/H or Cult Div	3		
CMN	1310G	Intro to Speech Communication	3			Foreign Lang (if needed)	0-4		
		Foreign Lang (if needed)	0-4						

**THIRD YEAR**

<i>Fall Semester (17 SH)</i>				SH	<i>Spring Semester (17-18 SH)</i>				SH
* CHM	3780 <sup>3</sup>	Instrumental Analysis	3	* CHM	2310	Inorganic Chemistry I	3		
	or SPE 3500 <sup>4</sup>	Exceptional Learning Needs							
* CHM	3910	Chemical Thermodynamics & Kinetics	3	* CHM	3915 <sup>3</sup>	Physical Chemistry Laboratory	2-3		
BIO	1200G	General Botany	4		or SPE 3500 <sup>4</sup>	Exceptional Learning Needs			
ESC	1300G	Introduction to Earth Sciences	4	BIO	1300G	Animal Diversity	4		
PLS	1153G	Am. Govt & Constitution	3	EDF	4550 <sup>3</sup>	Critical Focus on Education	4		
	or HIS 3600G	U.S. Constitution and Nation		ESC	1400G	Weather and Climate	4		

**FOURTH YEAR**

<i>Fall Semester (18 SH)</i>				SH	<i>Spring Semester (16 SH)</i>				SH
CHM	3000	Chemistry Seminar I	0	CHM	3001	Chemistry Seminar II	1		
CHM	3100	Practicum in Chemistry	1	EIU	40xxG	Senior Seminar	3		
EDP	3331 <sup>4</sup>	Lrn/Dev Sec Tch	3	ESC	2450G	Oceanography	3		
PHY	1055G	Principles of Astronomy	3	PHS	3400	Teaching Methods	3		
PHY	1056G	Principles of Astronomy Lab	1	SED	4330	Lit. Assessment.... Sec. Schools	3		
SED	3330 <sup>4</sup>	Instructional Tasks Sec School	4			Gen Ed FA/H or S/BS	3		
		Gen Ed FA/H or S/BS	3						
		Gen Ed FA/H or S/BS	3						

**FIFTH YEAR**

<i>Fall Semester (13 SH)</i>				SH
STG	4001	Student Teaching	12	
STG	4000	Student Teaching	1	

**Minimum Hours Required for Graduation: 137**<sup>1</sup> A grade of C or better is required in all courses used towards graduation regardless of where they are taken.<sup>2</sup> Must maintain a cumulative and major GPA of 2.65<sup>3</sup> CHM 3780 **OR** CHM 3915.<sup>4</sup> Requires Jr. Standing and University Approval to take Teacher Ed Courses

# Must be taken concurrently

\* Offered only during the term listed