

**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	1500	General Biology I	4
CHM	2730	Quantitative Analysis	3	EDF	2555G	Education in a Diverse Society	3
SED	2000	Inquiry Into Teaching	2	Gen Ed: FA/H			3
CMN	1310G	Intro to Speech Communication	3	Foreign Lang (if needed)			0-4
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**THIRD YEAR**

<i>Fall Semester (17 SH)</i>			SH	<i>Spring Semester (15-16 SH)</i>			SH
* CHM	3780 <sup>3</sup>	Instrumental Analysis	3	* CHM	3915 <sup>3</sup>	Physical Chemistry Laboratory	2-3
	or SPE 3500 <sup>4</sup>	Exceptional Learning Needs			or SPE 3500 <sup>4</sup>	Exceptional Learning Needs	
* CHM	3910	Chemical Thermodynamics & Kinetics	3	* CHM	2310	Inorganic Chemistry I	3
BIO	1550G	General Biology II	4	EDP	2330 <sup>5</sup>	Educ. Psych. - Foundations for Teachers	3
GEO	1300G	Introduction to Earth Sciences	4	EDF	4550 <sup>6</sup>	Critical Focus on Education	3
PLS	1153G	Am. Govt & Constitution	3	GEO	1400G	Weather and Climate	4
	or HIS 3600G	U.S. Constitution and Nation					

**FOURTH YEAR**

<i>Fall Semester (14 SH)</i>			SH	<i>Spring Semester (17 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
PHY	1055G	Principles of Astronomy	3	GEO	2450G	Oceanography	3
PHY	1056G	Principles of Astronomy Lab	1	SED	3330 <sup>7,8</sup>	Instructional Tasks in the Sec. School	4
* PHS	3400	Methods of Teaching Physical Sciences	3	SED	4330 <sup>8</sup>	Literacy, Assessment... in Sec. Schools	3
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	Multicultural/Disabilities Practicum	1				

\* Offered only during the term listed

**Minimum Hours Required for Graduation: 133**<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 admission to teacher education.<sup>5</sup> EDP 3331 may be substituted for EDP 2330 if taken prior to Fall 2016.<sup>6</sup> Requires Jr. standing and University Approval to take Teacher Education Courses.<sup>7</sup> Requires SED 2000 and University Approval to Take Teacher Education Courses.<sup>8</sup> SED 3300 and SED 4330 must be taken concurrently.