

CHEMISTRY EDUCATION – Secondary Subject Endorsement

Bachelor of Science
Curriculum Guide

▪ FIRST YEAR

First Semester			
CHEM	151	General Chemistry	4
EDUC	125	Introduction to Teaching	3
ENGL	111	College Writing I	3
MATH**	121	Precalculus	(5)
or RELT	141	Christian Beliefs	3
& HHPA	155	Concepts of Wellness	2
HHPA		Activity Elective	1
		Fine Arts Elective	1
			<u>1</u>
Total			17

Second Semester			
CHEM	296	Research Methods I	1
CHEM	152	General Chemistry	4
ENGL	112	College Writing II	3
MATH	184	Calculus I	4
CPTR	220	Microcomputer Applications	3
COMM	105	Public Speaking	2
			<u>2</u>
Total			17

▪ SECOND YEAR

First Semester			
CHEM	211	Organic Chemistry	4
PHYS	151	General Physics	4
BIOL	151	General Biology	4
ASTR	111	Astronomy	4
EDUC	225	Educational Diversity	1
			<u>1</u>
**Total			17

Second Semester			
CHEM	212	Organic Chemistry	4
PHYS	152	General Physics	4
PSYC	215	Developmental Psychology	3
HHPA		Activity Elective	1
RELB		Religion Elective	3
		Fine Arts Elective	1
			<u>1</u>
Total			16

▪ THIRD YEAR

First Semester			
EDUC	345	Learning Theories and Measurement	3
CHEM	445	Biochemistry I	4
EDUC	476	Content Reading	3
CHEM	386	Research Methods II	1
CHEM	311	Analytical Chemistry	3
EDUC	418	Methods: Science Education	3
SCNC	301	Science and Society	1
HMNT	310	Arts & Ideas	2
			<u>2</u>
**Total			20

Second Semester			
EDUC	218	Philosophy of Education	3
BIOL	152	General Biology	4
CHEM [^]	412	Physical Chemistry II	4
EDUC	356	General Secondary Methods	3
CHEM	312	Instrumental Analysis	3
EDUC	346	Special Education in the Classroom	3
			<u>3</u>
**Total			20

▪ FOURTH YEAR

First Semester			
EDUC	475	Student Teaching	16
			<u>16</u>
Total			16

Second Semester			
CHEM	396	Research Methods	1
ENGL	236	Approaches to Literature: World	3
EDUC	485	Issues in Education	1
RELT	455	Prophetic Guidance	3
RELH	310	History of the SDA Church	3
HIST		History Elective	3
		Social Science Elective	3
			<u>3</u>
Total			17

144 hours are required for graduation. 40 hours must be upper division (300 level or above).

* Other courses may also meet this requirement. See the Union College Bulletin 2010.

[^] Alternate year course.

** If Precalculus is needed, take it the first semester. Summer classes or an additional semester may be necessary to lighten the load per semester.

This sample guide is intended only to show you how a program might be arranged. Course schedules may change and it is possible that your courses will not be taken exactly in the order shown. Your academic advisor will help you design a program around your educational needs and goals.