

**BACHELOR OF SCIENCE IN SECONDARY EDUCATION – CHEMISTRY (GRADES 9-12)  
PROGRAM OF STUDY**

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Student's Name: \_\_\_\_\_ Catalog Year: \_\_\_\_\_

Student ID: \_\_\_\_\_ Advisor: \_\_\_\_\_

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**General Education Requirements**

<b>I. Communication (9)</b>	<b>Hours</b>	<b>Grade</b>	<b>Term</b>
ENGL U101: Composition	(3)	_____	_____
ENGL U102: Composition and Literature	(3)	_____	_____
SPCH U201/R: Public Speaking	(3)	_____	_____
<b>II. Mathematics, Logic &amp; Natural Science (16)</b>			
MATH U141: Calculus I	(4)	_____	_____
BIOL U110/L: General Biology	(4)	_____	_____
PHYS U201/L: General Physics I	(4)	_____	_____
PHYS U202/L: General Physics II	(4)	_____	_____
<b>III. Information Technology (3)</b>			
INFO U101; CSCI U138; DGST U101; or MUSC U162	(3)	_____	_____
<b>IV. Fine Arts, Humanities &amp; History (6)</b>			
ARTH U101, U105, U106; MUSC U110, U140; THEA U161, U170	(3)	_____	_____
HIST U101, U102, U105, U106; SOST U201	(3)	_____	_____
<b>V. Foreign Language/Culture (3)</b>			
ASLG U101; CHIN U101; FREN U101; GERM U101; or SPAN U101	(3)	_____	_____
<b>VI. Social and Behavioral Sciences (6)</b>			
Select two from the following: ANTH U102; AFAM U201; ECON U221, U222;	(3)	_____	_____
GEOG U101, U103; POLI U101, U200; PSYC U101; SOCY U101; WGST U101	(3)	_____	_____

**Professional Education**

EDFO U200: Teacher Education Colloquium	(0)	_____	_____
EDFO U210: Foundations of Education	(3)	_____	_____
EDRE U315: Foundations of Reading	(3)	_____	_____
EDSC U333: ML/Sec Education Adolescent Development	(3)	_____	_____
EDFO U341: Introduction to Exceptional Learners/Special Education	(3)	_____	_____
EDSC U344: ML/Sec Managing the Classroom Environment	(3)	_____	_____
EDSC U440: Clinical I in Middle Grades/Secondary Education	(2)	_____	_____
EDSC U442: Secondary School Curriculum and Methodology	(3)	_____	_____
EDSC U443: ML/Sec Educational Assessment	(2)	_____	_____
EDRE U418: Literacy in the Middle and Secondary School	(3)	_____	_____
EDSC U448: Teaching Science in Secondary Schools	(3)	_____	_____
EDSC U450: Clinical II in Middle Grades/Secondary Education	(2)	_____	_____
EDSC U481: Directed Teaching in Secondary School Natural Science	(12)	_____	_____
EDSC U485: ML/Sec Issues and Trends	(3)	_____	_____

**Content Concentrations**

CHEM U111: General Chemistry	(4)	_____	_____
CHEM U112: General Chemistry and Quantitative Analysis	(4)	_____	_____
CHEM U321: Quantitative Analysis & 321L: Quantitative Analysis Lab	(3/1)	_____	_____
CHEM U331: Organic Chemistry I & 331L: Organic Chemistry I Lab	(3/1)	_____	_____
CHEM U332: Organic Chemistry II & 332L: Organic Chemistry II Lab	(3/1)	_____	_____
CHEM U541: Physical Chemistry I & 541L: Physical Chemistry I Lab	(3/1)	_____	_____
CHEM U581: Biochemistry	(3)	_____	_____

## Support Courses

MATH U142: Calculus II

Elective: \_\_\_\_\_

(4)

(3)

**122 Total Hours**

Final responsibility for satisfying degree requirements, as outlined in the *USC Upstate Academic Catalog*, rests with the student.

## Secondary Education—Chemistry Suggested Sequences of Courses

Fall Semester		Spring Semester	
ENGL 101	3 hours	ENGL 102	3 hours
MATH 141	4 hours	CHEM 112	4 hours
CHEM 111	4 hours	MATH 142	4 hours
Social/Behavioral Science 1	3 hours	HIST or SOST	3 hours
		Social/Behavioral Science 2	3 hours
	14 hours		17 hours
Fall Semester		Spring Semester*	
SPCH 201	3 hours	EDFO 341	3 hours
Art, Music, or Theatre	3 hours	EDFO 210	3 hours
BIOL 110/L	4 hours	CSCI, INFO, DGST, MUSC	3 hours
CHEM 331/L	4 hours	CHEM 321/L	4 hours
EDFO 200	0 hours	Elective	3 hours
Foreign Language 101	3 hours		
	17 hours		16 hours
Fall Semester		Spring Semester (Professional Program)**	
EDSC 333	3 hours	EDSC 440	2 hours
EDSC 344	3 hours	EDSC 442	3 hours
PHYS 201/L	4 hours	EDSC 443	2 hours
EDRE 315	3 hours	EDRE 418	3 hours
CHEM 332/L	4 hours	PHYS 202/L	4 hours
	17 hours		14 hours
Fall Semester (Professional Program)***		Spring Semester (Professional Program)	
CHEM 541/L	4 hours	EDSC 481	12 hours
CHEM 581	3 hours	EDSC 485	3 hours
EDSC 450	2 hours		
EDSC 448	3 hours		
	12 hours		15 hours

\*Apply to the Professional Program

\*\*Initial Portfolio Due & Apply for Directed Teaching

\*\*\*Pre-student Teaching Portfolio Due