# LIBERTY UNIVERSITY

# **Bachelor of Education in Chemistry Education 6-12**

2021-2022 Degree Completion Plan

Hre

Sem

Grade

**Important:** This degree plan is effective for those starting this degree program in fall 2021 through summer 2022. This degree plan will remain in effect for students who do not break enrollment or who do not change degree programs, concentrations or cognates. After completion of the required program coursework (including student teaching) and the passing of licensure tests, the graduate of this program would be eligible for a VA state teaching license.

#### **GENERAL EDUCATION/**

Course	IONAL SKILLS REQUIREMENTS	Hrs	Sem	Grade	Course	
Communica	tion & Information Literacy (13 ho	urs) <sup>1</sup>			Maior Four	dational Courses (
COMS 101	Speech Communication	3			ENGL 102	Composition & Lit
ENGL 101	Composition & Rhetoric	3			MATH 126	Elementary Calc for
HIUS 221	Survey of American History I	3			PHYS 101	Elements of Physic
INQR 101	Inquiry 101	1				j.
C C	Information Literacy Elective	3			MAJOR	
	,					Core (79 hours)
Technologic	al Solutions & Quantitative Reason	ing (4-7	hours	)1	Education Con	
UNIV 101	Foundational Skills	1		,	EDSC 419	Teach Sci Content
MATH	MATH Elective	3			EDUC 201	Intro. to Education
	Technology Competency <sup>2</sup>	0-3			EDUC 221	Content Area Read
					EDUC 235	Content Instruction
Critical Thi	nking (8 hours)				EDUC 350	Behavior & Individ
ENGL 201	American Literature I	3			EDUC 360	Foundations of Edu
RLGN 105	Intr Bwvw/Contemp Moral Issues <sup>3</sup>	2			EDUC 425	Content Measurem
RSCH 201	Research 201	3			EDUC 435	Content Curriculur
					Practicum and	l Gate Courses
Civic & Glo	bal Engagement (5 hours)				EDGT 177	School of Ed Gate
CSTU 101	Western Culture	3			EDGT 277	School of Ed Gate
EVAN 101	Evangelism & Christian Life <sup>3</sup>	2			EDGT 377	School of Ed Gate
	e				EDUC 189	Practicum in Educa
Social & Sci	entific Inquiry (6 hours) <sup>1</sup>				EDUC 289	Practicum in Educa
PSYC 210	Developmental Psychology	3			EDUC 389	Practicum in Educa
	Natural Science Elective	3			Secondary Co	urses
					BCHM 451	Biochemistry I
Christianity	& Contexts (8 hours)				CHEM 121	General Chemistry
BIBL 105	Old Testament Survey	2			CHEM 122	General Chemistry
BIBL 110	New Testament Survey	2			CHEM 301	Organic Chemistry
THEO 201	Theology Survey I <sup>3</sup>	2			CHEM 302	Organic Chemistry
THEO 202	Theology Survey II <sup>3</sup>	2			CHEM 321	Analytical Chemis
					<b>CHEM 322</b>	Instrumental Analy
					<b>CHEM 400</b>	Chemistry Seminar
					CHEM 461	Physical Chemistry
					CHEM 462	Physical Chemistry
					CHEM 465	Physical Chemistry
					CHEM 466	Physical Chemistry
					CHEM 471	Inorganic Chemist
					CHEM 495	Supervised Researce
					<b>CHEM 497</b>	Special Topics in C
					Student Teach	
					EDST 475	The Reflective Edu
					EDST 480	Student Teaching:
					or EDST 481	Student Teaching:
					Notes	8
						rerequisites must be met
						ourses should be complet
						cticum courses in summe
					Defer to the list	t of approved general edu

	ational Courses (0-9 hours)	2				
ENGL 102	Composition & Literature <sup>4</sup>	3				
MATH 126	Elementary Calc for Business & Science <sup>4</sup>	3				
PHYS 101	Elements of Physics <sup>4</sup>	3				
MAJOR						
	Core (79 hours)					
Education Cour.	ses					
EDSC 419	Teach Sci Content Meth Mid & Sec School	3				
EDUC 201	Intro. to Education & Classroom Tech.	3				
EDUC 221	Content Area Read & Diff Teach & Learn	3				
EDUC 235	Content Instructional Design	3				
EDUC 350	Behavior & Individual Differences	3				
EDUC 360	Foundations of Education	3				
EDUC 425	Content Measurement & Evaluation	3				
EDUC 435	Content Curriculum Fundamentals	3				
Practicum and C						
EDGT 177	School of Ed Gate 1 - UG Init. Lic Local	0				
EDGT 277	School of Ed Gate 2 - UG Init. Lic Local	0				
EDGT 377	School of Ed Gate 3 - UG Init. Lic Local	0				
EDUC 189	Practicum in Education I: Local <sup>5</sup>	0				
EDUC 289	Practicum in Education II: Local <sup>5</sup>	0				
EDUC 389	Practicum in Education III: Local <sup>5</sup>	0				
Secondary Cour	ses					
BCHM 451	Biochemistry I	4				
CHEM 121	General Chemistry I	4				
CHEM 122	General Chemistry II	4				
CHEM 301	Organic Chemistry I	4				
CHEM 302	Organic Chemistry II	4				
CHEM 321	Analytical Chemistry	4				
CHEM 322	Instrumental Analysis	4				
CHEM 400	Chemistry Seminar	1				
CHEM 461	Physical Chemistry I	3				
CHEM 462	Physical Chemistry II	3				
CHEM 465	Physical Chemistry I Lab	1				
CHEM 466	Physical Chemistry II Lab	1				
CHEM 471	Inorganic Chemistry	4				
CHEM 495	Supervised Research in Chemistry	1				
CHEM 497	Special Topics in Chemistry	1				
Student Teachin	6	2				
EDST 475	The Reflective Educator: Resource Sem.	3				
EDST 480	Student Teaching: Distance <sup>5</sup> Student Teaching: Local <sup>5</sup>	9				
or EDST 481 Notes	Student Teaching: Local	9				
	requisites must be met					
	rses should be completed before student teaching, a	nd ca	indidates s	should not		
plan to take practicum courses in summer terms.						
<sup>1</sup> Refer to the list of approved general education electives at <u>www.liberty.edu/gened</u> before						
enrolling in foundational skills requirements						
	pass the Computer Assessment OR complete applie	cable	INFT cou	ırse		
	rty.edu/computerassessment for more information			I CN		
<sup>3</sup> Students transferring in 45 or more UG credit hours will have the requirements of RLGN						

105 and EVAN 101 waived; Students transferring in 60 or more UG credit hours will also have the requirements of THEO 201 and THEO 202 waived

<sup>4</sup>Courses may also fulfill select General Education Requirements. Please refer to the list of Approved general education electives at <u>www.liberty.edu/gened</u>

<sup>5</sup>Liberty University School of Education Background check is required for all practicums and student teaching

Suggested Course Sequence on second page

Graduation Requirements

123 Total Hours

3.0 Overall grade point average

30.75 Hours must be upper-level courses (300-400 level)

Grade of 'C' Minimum required for all upper-level courses in the major

30.75 Hours must be completed through Liberty University

Grad App Submission of Degree Completion Application must be completed

CSER All requirements must be satisfied before a degree will be awarded

within the last semester of a student's anticipated graduation date

25% Of major taken through Liberty University

# SUGGESTED COURSE SEQUENCE

#### FRESHMAN YEAR

First Semester		Second Semester		
ENGL 101	3	Info. Literacy Elective [ENGL 102] <sup>1</sup>	3	
INQR 101	1	EVAN 101	2	
MATH Elective [MATH 126] <sup>1</sup>	3	Natural Sci. Elective [PHYS 101] <sup>1</sup>		
Technology Competency <sup>2</sup>	0-3	RLGN 105	2	
UNIV 101	1	CHEM 122	4	
EDGT 177	0	EDGT 277	0	
EDUC 201	3	EDUC 221	3	
CHEM 121	4	CSER	<u>0</u>	
CSER	<u>0</u>	Total	18	
	Total 15-18			

### SOPHOMORE YEAR

BIBL 105	2	BIBL 110	2
PSYC 210	3	COMS 101	3
RSCH 201	3	CSTU 101	3
CHEM 461	3	ENGL 201	3
CHEM 465	1	EDUC 350	3
EDUC 189 <sup>3</sup>	0	CSER	0
EDUC 235	3		Total 14
CSER	<u>0</u>		
	Total 15		

# Total 15

## JUNIOR YEAR

THEO 201		2	HIUS 221	3
CHEM 301		4	THEO 202	2
CHEM 321		4	CHEM 302	4
EDUC 289 <sup>3</sup>		0	CHEM 322	4
EDUC 360		3	CHEM 462	3
EDSC 419		3	CHEM 466	1
CSER		<u>0</u>	CHEM 497	1
	Total	16	CSER	<u>0</u>

Total 18

## SENIOR YEAR

EDGT 377		0	EDST 475		3
BCHM 451		4	EDST 480 or 481 <sup>3</sup>		9
CHEM 400		1	CSER		0
CHEM 471		4		Total	12
CHEM 495		1			
EDUC 389 <sup>3</sup>		0			
EDUC 425		3			
EDUC 435		3			
CSER		<u>0</u>			
	Total	16			
Notes					
All applicable prerequisites	must be met				
In c , d the c			11 . 1 . 11	1	

<sup>1</sup>Refer to the list of approved general education electives at <u>www.liberty.edu/gened</u> before enrolling in foundational skills requirements <sup>2</sup>All students must pass the Computer Assessment OR complete applicable INFT course; refer to <u>www.liberty.edu/computerassessment</u> for more information

<sup>3</sup>Liberty University School of Education Background check is required for all practicums and student teaching