Texas Lutheran University Undergraduate Degree Plan

Bachelor of Science : Chemistry - Physical Science Education 7-12

Student Name: _____ **ID#:** _____

Prospective Graduation Date: _____ **Catalog Year:** 2024-2025

General Education				
Note	**CrHr**	**Course Title**		**Competency**
15	**hrs**	**Foundation requirements:**		
Basic Quantitative Literacy				
	3	MATH130 College Math or higher		
Critical Reading				
	3	FREX 134		
Engaging Faith Traditions				
	3	THEO 133		
Modern Language*				
	0	Foreign language at 131 level or higher		Z
Written Communication				
	3	COMP 131		
	3	COMP 132		
*Can be met by a study abroad program lasting 4+ weeks				
32	**hrs**	**Distribution requirements:**		
	6	**Arts**		
	3			
	3			
	12	**Humanities (Max 2 courses/discipline)**		
	3	COMM	374	C
	3	ENGL	2XX	T
	3	HIST	131	Z
	3	SPAN	XXX Second Course	Z
	6	**Natural Sciences & Math (1 crs w/lab)**		
	4	PHYS	240	T
	4	PHYS	241	T
	6	**Social Sciences**		
	3	POLS	231	T
	3	PSYC	236	T

Complete each of the following **Competencies:**			
3 Critical Thinking Courses (T)	X	X	X
3 Engaged Citizenship Courses (Z)	X	X	X
2 Communication Courses (C)	X		
1 Ethics Course (E)			

Reflective Modules (2)	

123	**Total Hours – 124 Hours Needed**

Student: _____

Advisor: _____

Dept Chair: _____

Registrar: _____

Date: _____

35	**hrs**	Chemistry - Physical Science Education 7-12	
Note	**CrHr**	**Course Title**	**Competency**
	4	CHEM 143 General Chemistry I	
	4	CHEM 144 General Chemistry II	
	4	CHEM 248 Organic Chemistry I	
	3	CHEM 332 Intermed Inorganic Chem	
	4	CHEM 341 Analytical Chemistry	
	4	CHEM 344 Physical Chemistry	
	3	CHEM 434 Biochemical Principles	
	1	CHEM 411 Senior Seminar I	
	1	CHEM 412 Senior Seminar II	
	7	7 hours from: CHEM 249, 342, 345,	
		414, 435, 437, 310-330, or 410-430	
11	**hrs**	**Supporting Coursework**	
	4	MATH 241 Calculus I	T
	4	MATH 242 Calculus II	T
	3	PHYS 334 Modern Physics	
		Upper Division Physics Elective w/lab	
30	**hrs**	**Specialization**	
	1	EDUC 111 Exploring Teaching	
	3	EDUC 272 Classroom Apps of Teaching	
	3	EDUC 331 Foundations of Education	
	3	EDUC 373 Survey of Special Populations	
	3	EDUC 374 Found of ESL Ed or EDUC 375 Teaching ESL	
	2	EDUC 421 Student Teaching Seminar	
	3	EDUC 431 Instructional Strategies	
	3	EDUC 438 Classroom Management	
	6	EDUC 460 Student Teaching	
	3	READ 436 Literacy in the Content Areas	
0	**hrs**	**Electives / Minor**	

IMPORTANT: An overall GPA of 2.0 and a major/minor GPA of 2.0 is required for graduation. All undergraduate degrees require a minimum of 124 hours. It is the student's responsibility to fulfill all degree requirements.