



# Texas Lutheran University Degree Plan

## Bachelor of Science in Chemistry

Student Name: \_\_\_\_\_ ID#: \_\_\_\_\_

Prospective Graduation Date: \_\_\_\_\_ Catalog Year: 2022-23

General Education	
Take the following <b>Foundation</b> requirements (15 hrs):	
Basic Quantitative Literacy	
√	MATH130 College Math or higher
Critical Reading	
	FREX134 Exploring the Arts & Sciences
Engaging Faith Traditions	
	THEO133 Intro to Theology
Modern Language	
	Foreign language at 131 level or higher*
Written Communication	
	COMP131 Composition I
	COMP132 Composition II

\* The language requirement can also be met by a study abroad program lasting 4 weeks.

Take the following <b>Distribution</b> requirements (24 hrs):	
Arts 6 hrs	
Humanities 12 hrs (no more than 2 courses/discipline)	
Natural Sciences & Math 6 hrs (1 crs w/lab)	
√	CHEM 143 General Chemistry I
√	PHYS Elective
Social Sciences 6 hrs	

Complete the following <b>Competencies</b> :			
3 Critical Thinking Courses (T)			
3 Engaged Citizenship Courses (Z)			
2 Communication Courses (C)			
1 Ethics Course (E)			

Reflective Modules (3)	

Chemistry (46 hrs)	
	CHEM 143 General Chemistry I
	CHEM 144 General Chemistry II
	CHEM 248 Organic Chemistry I
	CHEM 332 Intermediate Inorganic Chemistry
	CHEM 341 Analytical Chemistry
	CHEM 344 Physical Chemistry I
	CHEM 434 Biochemical Principles
15 hrs from the following In-Depth field:	
	CHEM 122 Intro to Research Methods
	CHEM 249 Organic Chemistry II
	CHEM 342 Instrumental Techniques
	CHEM 345 Physical Chemistry II
	CHEM 379 Special Topics
	CHEM 414 Physiology/Biochemistry Lab
	CHEM 435 Medicinal Chemistry
	CHEM 436 Environmental Chemistry
	CHEM 437 Metabolic Biochemistry
3 hrs from the following research courses: CHEM 310,320,330,410, 420, 430	
2 hrs of Senior Seminar:	
	CHEM 411 Senior Seminar I
	CHEM 412 Senior Seminar II

Supporting coursework (28 hrs)	
	PHYS Elective
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	MATH 241 Calculus I
	MATH 242 Calculus II
12 hrs (9 hrs at 200-level or higher) from math (not MATH 375-376), physics, computer science, STAT 374 or BIOL 341, BIOL 414, BIOL 431, BIOL 432 or BIOL 444	

Electives or minor to total 124 hrs			

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

Student: \_\_\_\_\_ Advisor: \_\_\_\_\_ Dept Chair: \_\_\_\_\_

Registrar: \_\_\_\_\_ Date: \_\_\_\_\_