



# Texas Lutheran University Degree Plan

## Bachelor of Science in Biochemistry

Student Name: \_\_\_\_\_ ID#: \_\_\_\_\_  
 Prospective Graduation Date: \_\_\_\_\_ Catalog Year: 2023-24

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 course/discipline)	
Natural Sciences & Math 6 hrs (1 crs w/lab)	
√	BIOL 143 Biological Systems I
√	CHEM 143 General Chemistry I
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)	

Major Coursework (57 hrs)	
	BIOL 143/144 Biological Systems I & II & Lab <b>OR</b>
	BIOL 245/246 Anatomy & Physiology I & II & Lab
	BIOL 242 Microbiology
	BIOL 331 Genetics
	BIOL 433 Molecular Biology
	CHEM 143 General Chemistry I
	CHEM 144 General Chemistry II
	CHEM 248 Organic Chemistry I
	CHEM 249 Organic Chemistry II
	CHEM 341 Analytical Chemistry
	CHEM 344 Physical Chemistry I
	CHEM 434 Biochemical Principles
	CHEM 437 Biochemistry
	CHEM 411 Senior Seminar I
	CHEM 412 Senior Seminar II
	CHEM 414 Biochemistry Lab
Select 6 hours from:	
CHEM 332, 342, 345, 379, 435, 436, BIOL 379, 431, 438	

Supporting Coursework (15 hrs)	
	MATH 241 Calculus I
	STAT 374 Statistics <b>OR</b> BIOL 338
8 hrs of Physics (PHYS 141-142 or 240-241)	
	PHYS 141 or 240
	PHYS 142 or 241

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: \_\_\_\_\_