



# Texas Lutheran University Degree Plan

## Bachelor of Science in Biochemistry

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

Prospective Graduation Date: \_\_\_\_\_ Catalog Year: 2021-22

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

\* 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)	
√	<i>BIOL 143 Biological Systems I</i>
√	<i>CHEM 143 General Chemistry I</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)			

Major Coursework (57 hrs)	
	<i>BIOL 143 Biological Systems I</i>
	<i>BIOL 144 Biological Systems II</i>
	<i>BIOL 242 Microbiology</i>
	<i>BIOL 331 Genetics</i>
	<i>BIOL 433 Molecular Biology</i>
	<i>CHEM 143 General Chemistry I</i>
	<i>CHEM 144 General Chemistry II</i>
	<i>CHEM 248 Organic Chemistry I</i>
	<i>CHEM 249 Organic Chemistry II</i>
	<i>CHEM 341 Analytical Chemistry</i>
	<i>CHEM 344 Physical Chemistry I</i>
	<i>CHEM 434 Biochemical Principles</i>
	<i>CHEM 437 Biochemistry</i>
	<i>CHEM 411 Senior Seminar I</i>
	<i>CHEM 412 Senior Seminar II</i>
	<i>CHEM 414 Biochemistry Lab</i>
Select 6 hours from:	
<i>CHEM 332, 342, 345, 379, 432, 435, BIOL 379, 431, 438</i>	

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

Electives or minor to total 124 hrs			

Reflective Modules (3)	

**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: \_\_\_\_\_