



# Texas Lutheran University Degree Plan

## Bachelor of Science of Biology-Molecular

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 courses/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)			

Biology-Molecular (39 hrs)	
	BIOL 143 Biological Systems I
	BIOL 144 Biological Systems II
	BIOL 242 Microbiology
	BIOL 331 Genetics
	BIOL 338 Biostatistics
	BIOL 414 Biochemistry Lab
	BIOL 428 Senior Capstone
	BIOL 433 Molecular Biology
	BIOL 437 Biochemistry
	One course from BIOL 332, 430
	Three courses from BIOL 431, 432, 436, 438, 471, 473

Supporting coursework (28 hrs)	
	CHEM 143 General Chemistry I
	CHEM 144 Gen Chem II or CHEM 341 Analytical Chem
	CHEM 248 Organic Chem I
	CHEM 249 Organic Chem II
	MATH 241 Calculus I
	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			

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: \_\_\_\_\_