Texas Lutheran University Undergraduate Degree Plan

Bachelor of Science : Biology - Molecular

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

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

General Education			
Note	**CrHr**	**Course Title**	**Competency**
15	**hrs**	**Foundation requirements:**	
Basic Quantitative Literacy			
	0	MATH130 College Math or higher	
Critical Reading			
	3	FREX 134	
Engaging Faith Traditions			
	3	THEO 133	
Modern Language*			
	3	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			
24	**hrs**	**Distribution requirements:**	
	6	**Arts**	
	3		
	3		
	12	**Humanities (Max 2 courses/discipline)**	
	3		
	3		
	3		
	3		
	6	**Natural Sciences & Math (1 crs w/lab)**	
	0	BIOL 143	
	0	CHEM 143	
	6	**Social Sciences**	
	3		
	3		

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

Reflective Modules (2)	

106	**Total Hours – 124 Hours Needed**

Student: _____

Advisor: _____

Dept Chair: _____

Registrar: _____

Date: _____

27	**hrs**	Biology - Molecular	
Note	**CrHr**	**Course Title**	**Competency**
	4	BIOL 143 Biological Systems I	T
	4	BIOL 144 Biological Systems II	T
	4	BIOL 242 Microbiology	
	3	BIOL 331 Genetics	
	3	BIOL 338 Biostatistics	
	1	BIOL 414 Biochemistry Lab	
	2	BIOL 428 Senior Capstone	
	3	BIOL 433 Molecular Biology	
	3	BIOL 437 Biochemistry	
12	**hrs**	**Specialization**	
	3	BIOL 332 or 430	
	3	BIOL 431, 432, 436, 438, 471, or 473	
	3	BIOL 431, 432, 436, 438, 471, or 473	
	3	BIOL 431, 432, 436, 438, 471, or 473	
28	**hrs**	**Supporting Coursework**	
	4	CHEM 143 General Chemistry I	T
	4	CHEM 144 Gen Chem II / 341 An Chem	
	4	CHEM 248 Organic Chem I	
	4	CHEM 249 Organic Chem II	
	4	MATH 241 Calculus I	
	4	PHYS 141 or 240	
	4	PHYS 142 or 241	
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.