Texas Lutheran University Undergraduate Degree Plan

Bachelor of Science : Physics - Physics & Math Education 7-12

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

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

General Education			
Note	**CrHr**	**Course Title**	**Competency**
18	**hrs**	**Foundation requirements:**	
Basic Quantitative Literacy			
	3	MATH130 College Math or higher	T
Critical Reading			
	3	FREX 134	
Engaging Faith Traditions			
	3	THEO 133	
Modern Language*			
	3	Spanish 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			
32	**hrs**	**Distribution requirements:**	
	6	**Arts**	
	3		
	3		
	12	**Humanities (Max 2 courses/discipline)**	
	3	COMM 374	C
	3	ENGL Literature Elective	T
	3	HIST 131	Z
	3	SPAN Elective	Z
	6	**Natural Sciences & Math (1 crs w/lab)**	
	4	PHYS 240	T
	4	PHYS 241	T
	6	**Social Sciences**	
	3	POLS 231	T
	3	PSYC 236	T

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

Reflective Modules (2)	

129	**Total Hours – 124 Hours Needed**

Student: _____

Advisor: _____

Dept Chair: _____

Registrar: _____

Date: _____

46	**hrs**	Physics - Physics & Math Education 7-12	
Note	**CrHr**	**Course Title**	**Competency**
	3	MATH 233 Discrete Mathematics	
	3	MATH 234 Intro to Advanced Mathematics	
	4	MATH 241 Calculus I	
	4	MATH 242 Calculus II	
	3	MATH 334 Differential Equations	
	3	MATH 337 Geometry	
	4	MATH 343 Calculus III	
	1	PHYS 313 Modern Physics Lab	
	3	PHYS 331 Mechanics	
	3	PHYS 332 Electricity & Magnetism	
	3	PHYS 334 Modern Physics	
	3	PHYS 335 Quantum or 336 Thermodynamics	
	3	PHYS 371 Math Methods for Scientist & Engineers	
	3	PHYS 390 Applied Computational Physics I	
	3	PHYS 438 Senior Seminar in Physics	
		PHYS Upper Division Lab w/Lab	
3	**hrs**		
	3	STAT 374 Statistics	
30	**hrs**	**Education & Reading Coursework**	
	1	EDUC 111 Exploring Teaching	
	3	EDUC 272 Classroom Apps of Technology	
	3	EDUC 331 Foundations of Education	
	3	EDUC 373 Survey of Special Populations	
	3	EDUC 374 Found of ESL Ed or 375 Teaching ESL	
	2	EDUC 421 Student Teaching Seminar	
	3	EDUC 431 Instructional Strategies	
	3	EDUC 438 Classroom Management	
	6	EDUC 460 Student Teaching	
	3	READ 436 Literacy in the Content Areas	
0	**hrs**	**Electives / Minor**	
		Second Specialization:	
		* Minimum of 24 hrs in content area or	
		minor to student teach in that area	

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.