Texas Lutheran University Undergraduate Degree Plan

Bachelor of Science : Mathematics - Math & Physics 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	SPAN 131 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	VART	
	3	VART	
	12	**Humanities (Max 2 courses/discipline)**	
	3	SPAN XXX Second Course	Z
	3	COMM 374	C
	3	HIST 131	Z
	3	ENGL 2XX (Lit)	T
	6	**Natural Sciences & Math (1 crs w/lab)**	
	4	PHYS 240	T
	4	MATH 242	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)	

128	**Total Hours – 124 Hours Needed**

Student: _____

Advisor: _____

Dept Chair: _____

Registrar: _____

Date: _____

45	**hrs**	Mathematics - Math & Physics Education 7-12	
Note	**CrHr**	**Course Title**	**Competency**
	4	PHYS 241 Intro to Physics for Scientists & Engineers II	
	3	PHYS 331 Mechanics	
	3	PHYS 332 Electricity & Magnetism	
	3	PHYS 334 Modern Physics	
	3	PHYS 371 Mathematical Methods	
		Upper Division PHYS Elective w/Lab	
	3	MATH 233 Discrete Math	
	3	MATH 234 Intro to Advanced Mathematics	
	4	MATH 241 Calculus I	
	3	MATH 331 Linear Algebra	
	3	MATH 334 Differential Equations	
	3	MATH 337 Geometry	
	4	MATH 343 Calculus III	
	3	MATH 437 Senior Research	
		MATH Upper Division Elective	
	3	STAT 374 Statistics	
3	**hrs**	**Specialization**	
	3	STAT 375 or MATH Upper Division Elective	
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 (w/ST) Classroom Management 7-12	
	6	EDUC 460 Student Teaching	
	3	READ 436 (w/ST) Teaching Lit in the Content Areas	
0	**hrs**	**Electives / Minor**	
		Second Specialization:	
		* Delete MATH 437	
		* Minimum of 24 hrs in content area or	
		minor to student teach in 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.