



Texas Lutheran University Degree Plan

Bachelor of Science in Applied Physics

Student Name: _____ ID#: _____

Prospective Graduation Date: _____ Catalog Year: 2021-22

General Education	
Take the following Foundation requirements (18 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 Distribution requirements (24 hrs):	
Arts 6 hrs	
Humanities 12 hrs (no more than 2 courses/discipline)	
Natural Sciences & Math 6 hrs (1 crs w/lab)	
√	PHYS 240 Principles of Physics I
√	CHEM 143 General Chemistry I
Social Sciences 6 hrs	

Take the following Competencies :			
3 Critical Thinking Courses (T)			
3 Engaged Citizenship Courses (Z)			
2 Communication Courses (C)			
1 Ethics Course (E)			

Physic (50 hrs)	
	PHYS 240 Principles of Physics I
	PHYS 241 Principles of Physics II
	PHYS 331 Mechanics or PHYS 337 Dynamics
	PHYS 332 Electricity & Magnetism
	PHYS 334 Modern Physics
	PHYS 313 Modern Physics Lab
	PHYS 335 Quantum or PHYS 336 Stat & Thermal
	PHYS 348 Optics
	PHYS 371 Math Methods for Scientists & Engineers
	PHYS 381 Digital Electronics
	PHYS 384 Advanced Lab in Physics
	PHYS 390 Applied Computational Physics I
	PHYS 391 Applied Computational Physics II
	PHYS 392 Thermal & Fluids Physics for Engineering
	PHYS 437 Physics Research
	PHYS 438 Senior Seminar in Physics

Supporting coursework (30 hrs)	
	CHEM 143 General Chemistry I
	CHEM 144 General Chemistry II
	MATH 241 Calculus I
	MATH 242 Calculus II
	MATH 334 Differential Equations
	MATH 343 Calculus III
	CSCI 248 Object Oriented Programming
	STAT 374 Statistics

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: _____