Texas Lutheran University Degree Plan
Bachelor of Science in Physics: Physics/Math 7-12

Student Name: ____________________________ ID#: _________________________
Prospective Graduation Date: ________________ Catalog Year: 2022-23

General Education

Take the following Foundation requirements (12 hrs):

- Basic Quantitative Literacy
- Critical Reading
- Engaging Faith Traditions
  - THEO133 Intro to Theology

Take the following Distribution requirements (6 hrs):

- Arts 6 hrs

Take the following Distribution requirements (6 hrs):

- Humanities 12 hrs (no more than 2 courses/discipline)
- Written Communication
  - COMP131 Composition I
  - COMP132 Composition II

- Natural Sciences & Math 6 hrs (1 crs w/lab)
  - PHYS 240 Principles of Physics I
  - PHYS 241 Principles of Physics II

- Social Sciences 6 hrs
  - POLS 231 American Politics
  - PSYC 236 Developmental Psychology

Complete each of the following Competencies:

- 3 Critical Thinking Courses (T)
- 3 Engaged Citizenship Courses (Z)
- 2 Communication Courses (C)
- 1 Ethics Course (E)

Reflective Modules (3)

Physics Coursework (37 hrs)

- PHYS 240 Principles of Physics I
- PHYS 241 Principles of Physics II
- PHYS 331 Mechanics
- PHYS 332 Electricity & Magnetism
- PHYS 334 Modern Physics
- PHYS 313 Modern Physics Lab
- PHYS 335 Quantum or PHYS 336 Thermodynamics
- PHYS 371 Math Methods for Scientists & Engineers
- PHYS 377 STEM by Inquiry Instructional Strat
- PHYS 390 Applied Computational Physics I
- PHYS 438 Senior Seminar in Physics
- 1 additional upper division physics lab course (4 hrs)

Specialization Coursework (27 hrs)

- EDUC 272 Classroom Applications of Technology
- EDUC 332 Learning Processes & Evaluation
- EDUC 334A U.S. Schools
- EDUC 373 Survey of Special Populations
- EDUC 374 Foundations of ESL Education
- EDUC 438 Classroom Management
- EDUC 461 Student Teaching
- READ 436 Literacy in the Content Areas

Supporting Coursework (48 hrs)

- COMM 374 Professional Speaking
- ENGL 2XX Literature Elective
- HIST 131 Modern North America to Mid-19th Cent
- SPAN Elective
- NATUR 240 Principles of Physics I
- NATUR 241 Principles of Physics II
- MATH 241 Calculus I
- MATH 242 Calculus II
- MATH 334 Differential Equations
- MATH 337 Geometry
- MATH 343 Calculus III
- POLS 231 American Politics
- PSYC 236 Developmental Psychology
- SPAN Elective
- STAT 374 Statistics

Supporting Coursework (48 hrs)

- MATH 241 Calculus I
- MATH 242 Calculus II
- MATH 334 Differential Equations
- MATH 337 Geometry
- MATH 343 Calculus III
- POLS 231 American Politics
- PSYC 236 Developmental Psychology
- SPAN Elective
- STAT 374 Statistics

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: __________________________

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