



Texas Lutheran University Degree Plan

Bachelor of Science in Physics

Student Name: _____ ID#: _____

Prospective Graduation Date: _____ Catalog Year: 2021-22

| General Education | |
|---|---|
| Take the following Foundation requirements (15 hrs): | |
| Basic Quantitative Literacy | |
| √ | MATH 241 Calculus I |
| 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.

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| Take the following Distribution requirements (24 hrs): | |
| Arts 6 hrs | |
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| Humanities 12 hrs (no more than 2 courses/discipline) | |
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| Natural Sciences & Math 6 hrs (1 crs w/lab) | |
| √ | CHEM 143 General Chemistry I |
| √ | PHYS 240 Principles of Physics I |
| Social Sciences 6 hrs | |
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| Complete each of the following Competencies : | | | |
| 3 | Critical Thinking Courses (T) | | |
| 3 | Engaged Citizenship Courses (Z) | | |
| 2 | Communication Courses (C) | | |
| 1 | Ethics Course (E) | | |

| Physic (43 hrs) | |
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| | 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 Mechanics |
| | PHYS 336 Statistical Thermodynamics |
| | PHYS 371 Math Methods for Scientists & Engineers |
| | PHYS 384 Advanced Lab in Physics |
| | PHYS 390 Applied Computational Physics I |
| | PHYS 437 Physics Research |
| | PHYS 438 Senior Seminar in Physics |
| 1 additional upper division physics lab course | |
| | PHYS |

| 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 | | | |
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| Reflective Modules (3) | |
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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: _____