**Texas Lutheran University Degree Plan**

**Bachelor of Science in Math: Math/Physics Education 7-12**

**Student Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **ID#:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Prospective Graduation Date:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Catalog Year:** 2023-24



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| **General Education** |
| Take the following **Foundation** requirements (12 hrs): |
| Basic Quantitative Literacy |
| **√** | *MATH 241 Calculus I* |
| Critical Reading |
|  | *FREX 134 Exploring the Arts & Sciences* |
| Engaging Faith Traditions |
|  | *THEO 133 Intro to Theology* |
| Modern Language |
| **√** | *SPAN XXX First Spanish Language Course* |
| Written Communication |
|  | *COMP 131 Composition I* |
|  | *COMP 132 Composition II* |
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| Take the following **Distribution** requirements (6 hrs): |
| Arts 6hrs |
|  | *Arts Elective*  |
|  | *Arts Elective*  |
| Humanities 12 hrs (no more than 2 courses/discipline) |
| **√** | *SPAN XXX Second Spanish Language Course* |
| **√** | *COMM 374 Professional Speaking* |
| **√** | *HIST 131 Early North American* |
| **√** | *ENGL 2XX (Lit)*  |
| Natural Sciences & Math 6 hrs (1 crs w/lab) |
| **√** | *PHYS 240 Intro Physics for Scientists & Engineers* |
| **√** | *MATH 242 Calculus II* |
| Social Sciences 6 hrs  |
| **√** | *POLS 231 American Politics*  |
| **√** | *PSYC 236 Developmental Psychology* |
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| Students need 1 course from each **Competency**: |
| 3 Critical Thinking Courses (T) |  |  |  |
| 3 Engaged Citizenship Courses (Z) |  |  |  |
| 2 Communication Courses (C) |  |  |  |
| 1 Ethics Course (E) |  |  |  |
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| **Reflective Modules (3)** |
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| **Distribution Coursework (44 hrs)** |
|  | *ENGL 2XX (Lit)* |
|  | *HIST 131 Early North American History* |
|  | *PHYS 240 Intro Physics for Scientists & Engineers I* |
|  | *PHYS 241 Intro Physics for Scientists & Engineers II* |
|  | *PHYS 331 Mechanics* |
|  | *PHYS 332 Electricity & Magnetism* |
|  | *PHYS 334 Modern Physics* |
|  | *PHYS 371 Mathematical Methods* |
|  | *Upper Division PHYS Elective* |
|  | *SPAN XXX First Spanish Language Course* |
|  | *SPAN XXX Second Spanish Language Course* |
|  | *POLS 231 American Politics I*  |
|  | *PSYC 236 Developmental Psychology* |
|  | *COMM 374 Professional Speaking*  |
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| **Education & Reading Coursework (27 hrs)** |
|  | *EDUC 272 Classroom Applications of Technology* |
|  | *EDUC 332 Learning Processes & Evaluation* |
|  | *EDUC 334A US Schools*  |
|  | *EDUC 373 Survey of Special Populations* |
|  | *EDUC 374 Foundations of ESL Education* |
|  | *EDUC 438 (w/ST) Classroom Management 7-12* |
|  | *EDUC 461 Student Teaching* |
|  | *READ 436 (w/ST) Teaching Lit in the Content Areas* |
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| **Specialization Courses (41 hrs)** |
|  | *MATH 233 Discrete Math* |
|  | *MATH 234 Intro to Advanced Mathematics* |
|  | *MATH 241 Calculus I* |
|  | *MATH 242 Calculus II* |
|  | *MATH 331 Linear Algebra* |
|  | *MATH 334 Differential Equations* |
|  | *MATH 337 Geometry* |
|  | *MATH 343 Calculus III* |
|  | *MATH 377 STEM by Inquiry Instructional Strategies* |
|  | *MATH 437 Senior Research* |
|  | *MATH Upper Division Elective* |
|  | *STAT 374 Statistics* |
|  | *STAT 375 or MATH Upper Division Elective* |
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| **Electives** |
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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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_