



# Texas Lutheran University Degree Plan

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

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

Prospective Graduation Date: \_\_\_\_\_ Catalog Year: 2022-23

| General Education   |  |
|---|--|
| Take the following <b>Foundation</b> 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                |

|  |   |
|--|---|
| Take the following <b>Distribution</b> 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                 |

| Students need 1 course from each <b>Competency</b> : |  |  |  |
|--|--|--|--|
| 3 Critical Thinking Courses (T)                      |  |  |  |
| 3 Engaged Citizenship Courses (Z)                    |  |  |  |
| 2 Communication Courses (C)                          |  |  |  |
| 1 Ethics Course (E)                                  |  |  |  |

| Reflective Modules (3) |  |
|------------------------|--|
|                        |  |
|                        |  |
|                        |  |

| 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                       |

| 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 |

| 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          |

| Electives |  |
|-----------|--|
|           |  |
|           |  |

**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: \_\_\_\_\_