**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 **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* | | | | |
|  |  |  | | | |
| 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* | | | | |
|  |  | | | | |
| 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) | | |  |  |  |
|  | | | | | |
| **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** | |
|  |  |
|  |  |

131

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