**Texas Lutheran University Degree Plan**

**Bachelor of Science in Mathematics Pre-Actuarial**

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

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



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| **General Education** | | | | |
| Take the following **Foundation** requirements (15 hrs): | | | | |
| Basic Quantitative Literacy | | | | |
| √ | *MATH130 College Math or higher* | | | |
| 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) | | | | |
| √ | *COMM 374 Professional Speaking* | | | |
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| Natural Sciences & Math 6 hrs (1 crs w/lab) | | | | |
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| √ | *MATH 241 Calculus I* | | | |
| Social Sciences 6 hrs | | | | |
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| Complete the following **Competencies**: | | | | |
| 3 Critical Thinking Courses (T) | |  |  |  |
| 3 Engaged Citizenship Courses (Z) | |  |  |  |
| 2 Communication Courses (C) | |  |  |  |
| 1 Ethics Course (E) | |  |  |  |

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| **Mathematics-Pre-Actuarial (39 hrs)** | | | | |
|  | *MATH 233 Discrete Mathematics* | | | |
|  | *MATH 234 Intro to Advanced Mathematics* | | | |
|  | *MATH 241 Calculus I* | | | |
|  | *MATH 242 Calculus II* | | | |
|  | *MATH 331 Elementary Linear Algebra* | | | |
|  | *MATH 334 Differential Equations* | | | |
|  | *MATH 338 Numerical Methods* | | | |
|  | *MATH 343 Calculus III* | | | |
|  | *MATH 433 Mathematical Statistics & Probability* | | | |
|  | *MATH 437 Senior Research and Capstone* | | | |
| 6 additional upper division hrs in mathematics: | | | | |
|  | *MATH upper division* | | | |
|  | *MATH upper division* | | | |
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| **Supporting Coursework (27-28 hrs)** | | | | |
|  | *STAT 374 Statistics* | | | |
|  | *STAT 375 Applied Statistics* | | | |
|  | *CSCI 136 or 248* | | | |
|  | *COMM 374 Professional Speaking* | | | |
| 15 hrs from: BUSI 231, 232, 339, 373, 377, ECON 237 | | | | |
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| **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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_