**Texas Lutheran University Degree Plan**

**Bachelor of Science in Chemistry**

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

**Prospective Graduation Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Catalog Year: 2021-22**



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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) |
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| Natural Sciences & Math 6 hrs (1 crs w/lab) |
| √ | *CHEM 143General Chemistry I* |
| √ | *PHYS Elective* |
| 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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| **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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Chemistry (46 hrs)** |
|  | *CHEM 143 General Chemistry I* |
|  | *CHEM 144 General Chemistry II* |
|  | *CHEM 248 Organic Chemistry I* |
|  | *CHEM 332 Intermediate Inorganic Chemistry* |
|  | *CHEM 341 Analytical Chemistry* |
|  | *CHEM 344 Physical Chemistry I* |
|  | *CHEM 434 Biochemical Principles* |
| 15 hrs from the following In-Depth field: |
|  | *CHEM 122 Intro to Research Methods* |
|  | *CHEM 249 Organic Chemistry II*  |
|  | *CHEM 342 Instrumental Techniques*  |
|  | *CHEM 345 Physical Chemistry II*  |
|  | *CHEM 379 Special Topics* |
|  | *CHEM 414 Physiology/Biochemistry Lab*  |
|  | *CHEM 435 Medicinal Chemistry* |
|  | *CHEM 436 Environmental Chemistry* |
|  | *CHEM 437 Metabolic Biochemistry* |
| 3 hrs from the following research courses:CHEM 310,320,330,410, 420, 430 |
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| 2 hrs of Senior Seminar: |
|  | *CHEM 411 Senior Seminar I* |
|  | *CHEM 412 Senior Seminar II* |
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| **Supporting coursework (28 hrs)** |
|  | *PHYS Elective* |
|  | *PHYS Elective* |
|  | *MATH 241 Calculus I* |
|  | *MATH 242 Calculus II* |
| 12 hrs (9 hrs at 200-level or higher) from math (not MATH 375-376), physics, computer science, STAT 374 or BIOL 341, BIOL 414, BIOL 431, BIOL 432 or BIOL 444 |
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| **Electives or minor to total 124 hrs** |
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