# Texas Lutheran University Degree Plan
# Bachelor of Science in Chemistry

**Student Name:** _____ **ID#:** _____

**Prospective Graduation Date:** _____ **Catalog Year:** **2012-13**

| General Education | |
|---|---|
| Take the following **Foundation** requirements (21 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* |
| Self-Awareness & Development | |
| | *PRWB130 Personal Well-Being* |
| Written Communication | |
| | *COMP131 Composition I* |
| | *COMP132 Composition II* |

| Take the following **Distribution** requirements (30 hrs): | |
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| Arts 6 hrs (1 A competency) | |
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| Humanities 6 hrs (1 I competency) | |
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| Natural Sciences 6 hrs (1 crs w/lab; 1 S competency) | |
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| Professional Applications 3 hrs | |
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| Cultural Perspectives & Religion 3 hrs | |
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| Social Sciences 6 hrs (1 P competency) | |
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| Students need 1 course from each **Competency**: | |
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| | Advanced Quantitative Reasoning (Q) |
| | Aesthetic/Expression (A) |
| | Creative Thinking (C) |
| | Inquiry & Analysis (I) |
| | Intercultural/Global Knowledge (G) |
| | Problem Solving (P) |
| | Scientific Literacy (S) |
| | Civic Engagement (V) |
| | Ethical Reasoning (E) |
| | Oral Communication (O) |
| | Written Communication (W) |

| Chemistry (45 hrs) | |
|---|---|
| | *CHEM 179 Problem Solving in Chemistry* |
| | *CHEM 143 General Chemistry I* |
| | *CHEM 248 Organic Chemistry I* |
| | *CHEM 249 Organic Chemistry II* |
| | *CHEM 337 Intermediate Organic Chemistry* |
| | *CHEM 341 Analytical Chemistry* |
| | *CHEM 342 Instrumental Techniques* |
| | *CHEM 344 Physical Chemistry I* |
| | *CHEM 345 Physical Chemistry II* |
| | *CHEM 411 Senior Seminar I* |
| | *CHEM 412 Senior Seminar II* |
| | *CHEM 432 Advanced Inorganic Chemistry* |
| 3 hrs from the following: CHEM 437, 435, or 471 | |
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| 3 hrs from the following:<br>CHEM 335,379, 410, 420, 414, 436,437, or 471 | |
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| Supporting coursework (28 hrs) | |
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| | *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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| Co-Curricular Modules (4) | |
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| Must have at least 2 different competencies | |

**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: _____