

# Schreiner University

## Bachelor of Science

### *Chemistry*

#### **SUGGESTED FOUR-YEAR PLAN BEGINNING 2017-2018**

This curriculum guide is intended for use in coordination with corresponding degree plan and course rotations

#### Sample Options

##### **Fall Semester 1**

CHEM 1301/1101 – General Chemistry I  
ENGL 1301 – Rhetoric and Composition  
IDST 1301 – Freshman Studies  
MATH 2422 – Calculus I\*

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*14 Credits*

##### **Fall Semester 2**

CHEM 2311/2111 – Organic Chemistry I  
Engagement (3)  
MATH 2330 – Applied Statistics  
PHYS 1301/1101 – College Physics I  
or PHYS 2325/2125 – University Physics I

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*14 Credits*

##### **Fall Semester 3**

BIOL 3350 – Writing and Research in Biology  
CHEM 3301/3101 – Quantitative Methods  
Elective (3)  
Elective (3)  
Global Perspectives (3)

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*16 Credits*

##### **Fall Semester 4**

CHEM 3350 – Introduction to Chemical Research  
CHEM 3303/3103 - Thermodynamics  
Elective (3)  
Elective (3)  
Pers./Soc. Responsibility (3)

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*16 Credits*

#### Sample Options

##### **Spring Semester 1**

CHEM 1302/1102 – General Chemistry II  
Elective (3)  
ENGL 1302 – Literature and Composition  
MATH 2423 – Calculus II

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*14 Credits*

##### **Spring Semester 2**

CHEM 2312/2112 Organic Chemistry II  
Elective (3)  
Engagement (3)  
ENGL 3303 – Technical Communication  
PHYS 1302/1102 College Physics II  
or PHYS 2326/2126 University Physics II

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*17 Credits*

##### **Spring Semester 3**

Aesthetic Appreciation (3)  
CHEM 3302/3102 – Instrumental Analysis  
Global Perspectives (3)  
MATH 3425 – Differential Equations

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*14 Credits*

##### **Spring Semester 4**

CHEM 3304/3104 Quantum Mechanics  
CHEM 3307/3107 Inorganic Chemistry  
CHEM 4398 – Internship in Chemistry  
or CHEM 4399 – Senior Project in Chemistry  
Elective (1)  
Elective (3)

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*15 Credits*

**TOTAL Credits – 120**

\* A student needing to complete the prerequisites for calculus (MATH 1310: College Algebra and MATH 1321: Precalculus) may use 6 elective hours to do so, and may move the calculus sequence to the following year.