

# Schreiner University

## Bachelor of Arts

### Biochemistry

#### SUGGESTED FOUR-YEAR PLAN BEGINNING 2016-2017

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

#### Sample Options

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

BIOL 1301/1102 – Concepts of Biological Science  
CHEM 1301/1101 – General Chemistry I  
IDST 1301 – Freshman Studies  
MATH 2422 – Calculus I\*

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*15 Credits*

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

CHEM 2411 – Organic Chemistry I  
ENGL 1302 – Literature and Composition  
Engagement (3)  
PHYS 1401 – College Physics I  
or PHYS 2425 – University Physics I

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*14 Credits*

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

BIOC 3405 – Biochemistry I  
BIOL 3450 – Cell Biology  
CHEM 3403 - Thermodynamics  
Global Perspectives (3)

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*15 Credits*

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

BIOL 3350 – Writing and Research in Biology  
Elective (3)  
Elective (3)  
Elective (3)  
Pers./Soc. Responsibility (3)

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*15 Credits*

#### Sample Options

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

BIOL 1302/1103 – Organismal Biology  
CHEM 1302/1102 – General Chemistry II  
ENGL 1301 – Rhetoric and Composition  
MATH 2330 – Applied Statistics

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*17 Credits*

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

BIOL 2405 – Genetics  
CHEM 2412 – Organic Chemistry II  
Elective (3)  
Elective (3)  
Engagement (3)

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*17 Credits*

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

BIOC 3406 – Biochemistry II  
Elective (3)  
Elective (3)  
ENGL 3303 – Technical Communication  
Global Perspectives (3)

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*16 Credits*

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

Aesthetic Appreciation (3)  
BIOC 4398 – Internship in Biochemistry  
or BIOC 4399 – Senior Project in Biochemistry  
CHEM 3402 – Instrumental Analysis  
Elective (1)  
Elective (3)

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*14 Credits*

**TOTAL Credits – 120**

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