

Schreiner University

Bachelor of Science

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*

15 Credits

Fall Semester 2

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

14 Credits

Fall Semester 3

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

15 Credits

Fall Semester 4

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

15 Credits

Sample Options

Spring Semester 1

BIOL 1302/1103 – Organismal Biology
CHEM 1302/1102 – General Chemistry II
ENGL 1301 – Rhetoric and Composition
MATH 2423 – Calculus II

15 Credits

Spring Semester 2

BIOL 2405 – Genetics
CHEM 2412 – Organic Chemistry II
Elective (3)
Engagement (3)
MATH 2330 – Applied Statistics

17 Credits

Spring Semester 3

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

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 (3)

13 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.