Schreiner University

Bachelor of Science

Chemistry

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

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 2411 – Organic Chemistry I
Engagement (3)
MATH 2330 – Applied Statistics
PHYS 1401 – College Physics I
or PHYS 2425 – University Physics I

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14 Credits

Fall Semester 3

BIOL 3350 – Writing and Research in Biology
CHEM 3350 – Introduction to Chemical Research
CHEM 3403 - Thermodynamics
Elective (3)
Global Perspectives (3)
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16 Credits

Fall Semester 4

CHEM 3401 – Quantitative Methods
Elective (3)
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 2412 – Organic Chemistry II
Elective (3)
Engagement (3)
ENGL 3303 – Technical Communication
PHYS 1402 – College Physics II
or PHYS 2426 – University Physics II
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17 Credits

Spring Semester 3

CHEM 3404 – Quantum Mechanics
CHEM 3407 – Inorganic Chemistry
Global Perspectives (3)
MATH 3425 – Differential Equations

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15 Credits

Spring Semester 4

Aesthetic Appreciation (3)
CHEM 3402 – Instrumental Analysis
CHEM 4398 – Internship in Chemistry
or CHEM 4399 – Senior Project in Chemistry
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: Precalculus) may use 6 elective hours to do so, and may move the calculus sequence to the following year.