

Schreiner University

Bachelor of Arts

Chemistry with Teacher Certification Minor, Grades 7-12

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*

14 Credits

Fall Semester 2

CHEM 2311/2111 Organic Chemistry I
EDUC 2303 Foundations of Education¹
Engagement (3)
PHYS 1301/1101 College Physics I
or PHYS 2325/2125 University Physics I
SPED 3301 – Foundations in Special Education¹

17 Credits

Fall Semester 3

Aesthetic Appreciation (3)
BIOL 3350 Writing and Research in Biology
CHEM 3301/3101 Quantitative Methods
EDUC 3401 Science for Teachers¹
Global Perspectives (3)

17 Credits

Fall Semester 4

CHEM 3303/3103 Thermodynamics
CHEM 4398 Internship in Chemistry
or CHEM 4399 Senior Project in Chemistry
EDUC 4303 Methods and Management (7-12)
EDUC 4307 Curriculum and Assessment (7-12)
RDNG 3309 Disciplinary Literacy Across the Content Area

16 Credits

Sample Options

Spring Semester 1

CHEM 1302/1102 General Chemistry II
ENGL 1302 Literature and Composition
MATH 2330 Applied Statistics
or MATH 2423 Calculus II
Pers./Soc. Responsibility (3)

13-14 Credits

Spring Semester 2

CHEM 2312/2112 Organic Chemistry II
CHEM 3304/3104 Quantum Mechanics
CHEM 3307/3107 Inorganic Chemistry
PHYS 1302/1102 College Physics II
or PHYS 2326/2126 University Physics II

16 Credits

Students should apply for admission to the Teacher Education Program in Spring 2

Spring Semester 3

CHEM 3302/3102 Instrumental Analysis
Engagement (3)
ENGL 3303 Technical Communication
Elective (1 or 2)
Global Perspectives (3)

14-15 Credits

Students should apply for Student Teaching in Spring 3

Spring Semester 4

EDUC 4310 Professional Roles and Responsibilities
EDUC 4313 The Learner (7-12)
EDUC 4320 Clinical Teaching Seminar
EDUC 4323 Clinical Teaching, 7-12

12 Credits

TOTAL Credits – 120

¹Indicates courses which may be taken before admission to Teacher Education Program.

* 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.