

Schreiner University

Bachelor of Arts

Chemistry with Teacher Certification Minor, Grades 7-12

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*

14 Credits

Fall Semester 2

CHEM 2411 – Organic Chemistry I
EDUC 2303 – Foundations of Education¹
Engagement (3)
PHYS 1401 – College Physics I
or PHYS 2425 – 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 3403 – Thermodynamics
EDUC 3401 – Science for Teachers¹
Global Perspectives (3)¹

17 Credits

¹Spanish is recommended for Texas educators

Fall Semester 4

CHEM 3401 – Quantitative Methods
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 2412 – Organic Chemistry II
CHEM 3402 – Instrumental Analysis
Engagement (3)
PHYS 1402 – College Physics II
or PHYS 2426 – University Physics II

15 Credits

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

Spring Semester 3

CHEM 3404 – Quantum Mechanics
CHEM 3407 – Inorganic Chemistry
ENGL 3303 – Technical Communication
Elective (1 or 2)
Global Perspectives (3)¹

15-16 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.