

**Schreiner University**  
Bachelor of Arts  
*Chemistry, Teacher Certification 8-12*

**SUGGESTED FOUR-YEAR PLAN BEGINNING 2011-2012**

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

Sample Options

**Fall Semester 1**

CHEM 1101,1301 – General Chemistry I & Lab  
ENGL 1301 – Rhetoric and Composition  
EXSI 1201 – Individualized Fitness  
HIST (3)  
IDST 1101 – Freshman Studies  
MATH 2422 – Calculus I  
UNIV 0101 – University Studies

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*17 Credits*

**Fall Semester 2**

CHEM 2411 – Organic Chemistry  
CHEM 3403 – Thermodynamics  
COMM 2301 – Communication  
IDST 2305 – Perspectives in Critical Thinking  
PHYS (4)

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*18 Credits*

**Fall Semester 3**

BIOL 3350 – Writing and Research in Biology  
CHEM (4)  
CHEM 3401 – Quantitative Methods  
IDST 3360 – The Creative Experience  
LANG 1401 – (French, German, or Spanish)

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*18 Credits*

**Fall Semester 4**

CHEM (4)  
CHEM 4398 – Professional Internship in Chemistry  
or CHEM 4399 – Senior Project in Chemistry  
EDUC 4303 – Methods and Management (8-12)  
EDUC 4307 – Curriculum and Assessment (8-12)  
IDST 4340 – Problems & Solutions in a Global Society  
RDNG 3309 – Content Area Reading

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*19 Credits*

Sample Options

**Spring Semester 1**

CHEM 1102, 1302 – General Chemistry II & Lab  
ENGL 1302 – Literature and Composition  
Fine Arts (3)  
HIST (3)  
MATH 2423 – Calculus II

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*17 Credits*

**Spring Semester 2**

CHEM 2412 – Organic Chemistry II  
CHEM 3404 – Quantum Mechanics  
EDUC 2303 – Foundations of Education  
PHYS (4)  
POLS 2301 – American Government (National and Texas)

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*18 Credits*

**Spring Semester 3**

CHEM 3402 – Instrumental Analysis  
ENGL 2341 – World Literature From the Renaissance  
LANG 1402 – (French, German, or Spanish)  
PHIL/RELI (3)  
Social Institutions (3)  
SPED 3301 – Foundations in Special Education

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*20 Credits*

**Spring Semester 4**

EDUC 4310 – Professional Roles and Responsibilities  
EDUC 4313 – The Learner (8-12)  
EDUC 4601 – Student Teaching (8-12)

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*12 Credits*

**TOTAL Credits – 139**