**Schreiner University**  
**Bachelor of Arts**  
*Biology/Life Sciences, Teacher Certification 8-12*

**SUGGESTED FOUR-YEAR PLAN BEGINNING 2012-2013**  
This curriculum guide is intended for use in coordination with corresponding degree plan and course rotations

### Sample Options

#### Fall Semester 1

- **BIOL 1102, 1301** – Concepts of Biological Science & Lab  
- **CHEM 1101, 1301** – General Chemistry I & Lab  
- **ENGL 1301** – Rhetoric and Composition  
- **IDST 1101** – Freshman Studies  
- **MATH 1310** – College Algebra

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**15 Credits**

#### Spring Semester 1

- **BIOL (4)**  
- **CHEM 1102, 1302** – General Chemistry II & Lab  
- **COMM 2301** – Communication  
- **ENGL 1302** – Literature and Composition  
- **MATH 1321** – Precalculus

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**17 Credits**

#### Fall Semester 2

- **CHEM 2411** – Organic Chemistry I  
- **Fine Arts (3)**  
- **HIST (3)**  
- **LANG 1401** – (French, German, or Spanish)  
- **Social Institutions (3)**

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**17 Credits**

#### Spring Semester 2

- **CHEM 2412** – Organic Chemistry II  
- **EDUC 2303** – Foundations of Education  
- **HIST (3)**  
- **LANG 1402** – (French, German, or Spanish)  
- **POLS 2301** – American Government (National and Texas)

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**17 Credits**

#### Fall Semester 3

- **BIOL (3, Upper level)**  
- **BIOL 3350** – Writing and Research in Biology  
- **BIOL 3450** – Cell Biology  
- **EXSI 1201** – Individualized Fitness  
- **ENGL 3303 or 3307**  
- **IDST 2305** – Perspectives in Critical Thinking

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**16 Credits**

#### Spring Semester 3

- **BIOL (4)**  
- **BIOL 3340** – Evolutionary Biology  
- **IDST 3360** – The Creative Experience  
- **PHIL/RELI (3)**  
- **SPED 3301** – Foundations in Special Education

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**16 Credits**

#### Fall Semester 4

- **BIOL (4)**  
- **EDUC 4303** – Methods and Management (8-12)  
- **EDUC 4306** – Curriculum and Assessment (8-12)  
- **IDST 4340** – Problems & Solutions in a Global Society  
- **RDNG 3309** – Disciplinary Literacy

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**15 Credits**

#### Spring Semester 4

- **BIOL 4398** – Internship in Biology  
  or **BIOL 4399** – Senior Project in Biology  
- **EDUC 4310** – Professional Roles and Responsibilities  
- **EDUC 4313** – The Learner (8-12)  
- **EDUC 4601** – Student Teaching (8-12)

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**15 Credits**

**TOTAL Credits – 131**