

**Schreiner University**  
Bachelor of General Studies  
*Applied Science (3-2) Engineering*

**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  
ENGR 1301 – Introduction to Engineering  
IDST 1301 – Freshman Studies  
MATH 2422 – Calculus I

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*14 Credits*

**Fall Semester 2**

Elective (3)  
Elective (3)  
Engagement (3)  
MATH 3324 – Calculus III  
PHYS 2325/2125 – University Physics I

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*16 Credits*

**Fall Semester 3**

Communication (3)  
Elective (3)  
Global Perspective (3)  
CIT 2410 – Introduction to Programming Logic  
Per. /Soc. Responsibility (3)

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*15 Credits*

**Fall Semester 4**

Sample Options

**Spring Semester 1**

Communication (3)  
Engagement (3)  
ENGR 1310 – Technical Graphics  
Global Perspective (3)  
MATH 2423 – Calculus II

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*16 Credits*

**Spring Semester 2**

Elective (3)  
Elective (3)  
MATH 3425 – Differential Equations  
PHYS 2326/2126 – University Physics II

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*14 Credits*

**Spring Semester 3**

Aesthetic Appreciation (3)  
Elective (3)  
IDST 2305 – Perspectives in Critical Thinking  
or PHIL 2320 – Introduction to Logic  
MATH (3, Linear Algebra or Introduction  
to Numerical Analysis recom.)

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*15 Credits*

**Spring Semester 4**

30 Upper Division Hours in Engineering or Engineering Technology from an  
Accredited University

\* 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.

**TOTAL Credits – 90 at Schreiner University**