

# SCHREINER UNIVERSITY

## Bachelor of Science

### *Chemistry-Integrative track*

## Sample Four Year Plan beginning Fall 2022

*This curriculum guide intended for use in coordination with corresponding degree plan and course rotation.*

**Total Credits 121**

#### Fall Semester 1

CHEM 1301/1101 General Chemistry	4
Communications core course	3
IDST 1301 Freshman Studies	3
MATH 2422 Calculus I	4

*Credits* **15**

#### Spring Semester 1

CHEM 1302/1102 General Chemistry II	4
Communications core course	3
MATH 2423 Calculus II	3
Elective course	4

*Credits* **14**

#### Fall Semester 2

BIOL 2350 Writing and Research	3
CHEM 2311/2111 Organic Chemistry I	4
Global Perspective core course	3
Engagement core course	3
MATH 2330 Applied Statistics	3

*Credits* **16**

#### Spring Semester 2

CHEM 2312/2112 Organic Chemistry II	4
CHEM 2350 Writing and Research	3
Engagement core course	3
Global Perspective core course	3
Personal & Social Responsibility core course	3

*Credits* **16**

#### Fall Semester 3

Aesthetic Appreciation core course	3
CHEM 3303/3103 Thermodynamics	4
CHEM 3307/3107 Inorganic Chemistry	4
CHEM 3350 Chemical Research	3
PHYS 2325/2125 University Physics I	4

*Credits* **18**

#### Spring Semester 3

CHEM 3304/3104 Quantum Mechanics	4
Upper level CHEM course	4
MATH 3425 Differential Equations	3
PHYS 2326/2126 University Physics II	3
Elective course	3

*Credits* **17**

#### Fall Semester 4

CHEM 3301/3101 Quantitative Methods	4
Elective Course	3
Elective Course	3
Elective Course	3

*Credits* **13**

#### Spring Semester 4

CHEM 3302/3102 Instrumental Analysis	3
CHEM 4398 Internship <i>or</i> CHEM 4399 Senior Project	3
Elective course	3
Elective course	3

*Credits* **12**