SCHREINER UNIVERSITY

Bachelor of Science

Chemistry- Integrative track

Sample Four Year Plan beginning Fall 2023
This curriculum guide intended for use in coordination with corresponding degree plan and course rotation. **Total Credits 120**

Fall Semester 1		Spring Semester 1	
CHEM 1301/1101 General Chemistry	4	CHEM 1302/1102 General Chemistry II	4
Communications core course	3	Communications core course	3
IDST 1301 Freshman Studies	3	MATH 2423 Calculus II	4
MATH 2422 Calculus I	4	Elective course	3
Credits	14	Credits	14
Fall Semester 2		Spring Semester 2	
CHEM 2311/2111 Organic Chemistry I	4	CHEM 2312/2112 Organic Chemistry II	4
Engagement core course	3	CHEM 2350 Writing and Research	3
MATH 2330 Applied Statistics	3	Engagement core course	3
Global Perspective core course	3	Global Perspective core course	3
Elective Course	3	Personal & Social Responsibility core course	3
Credits	16	Credits	16
Fall Semester 3		Spring Semester 3	
	3	Spring Semester 3 Aesthetic Appreciation core course	3
Fall Semester 3 CHEM 3301/3101 Quantitative Methods PHYS 2325/2125 University Physics I	3 4	Spring Semester 3 Aesthetic Appreciation core course CHEM 3302/3102 Instrumental Analysis	3 4
CHEM 3301/3101 Quantitative Methods		Aesthetic Appreciation core course	
CHEM 3301/3101 Quantitative Methods PHYS 2325/2125 University Physics I	4	Aesthetic Appreciation core course CHEM 3302/3102 Instrumental Analysis	4
CHEM 3301/3101 Quantitative Methods PHYS 2325/2125 University Physics I Elective Course	4 3	Aesthetic Appreciation core course CHEM 3302/3102 Instrumental Analysis PHYS 2326/2126 University Physics II	4 4
CHEM 3301/3101 Quantitative Methods PHYS 2325/2125 University Physics I Elective Course Elective Course	4 3 3	Aesthetic Appreciation core course CHEM 3302/3102 Instrumental Analysis PHYS 2326/2126 University Physics II MATH 3425 Differential Equations	4 4 4
CHEM 3301/3101 Quantitative Methods PHYS 2325/2125 University Physics I Elective Course Elective Course Credits	4 3 3	Aesthetic Appreciation core course CHEM 3302/3102 Instrumental Analysis PHYS 2326/2126 University Physics II MATH 3425 Differential Equations Credits	4 4 4
CHEM 3301/3101 Quantitative Methods PHYS 2325/2125 University Physics I Elective Course Elective Course Credits	4 3 3 13	Aesthetic Appreciation core course CHEM 3302/3102 Instrumental Analysis PHYS 2326/2126 University Physics II MATH 3425 Differential Equations Credits Spring Semester 4	4 4 4 15
CHEM 3301/3101 Quantitative Methods PHYS 2325/2125 University Physics I Elective Course Elective Course Credits Fall Semester 4 CHEM 3303/3103 Thermodynamics	4 3 3 13	Aesthetic Appreciation core course CHEM 3302/3102 Instrumental Analysis PHYS 2326/2126 University Physics II MATH 3425 Differential Equations Credits Spring Semester 4 CHEM 3304/3104 Quantum Mechanics	4 4 4 15
CHEM 3301/3101 Quantitative Methods PHYS 2325/2125 University Physics I Elective Course Elective Course Credits Fall Semester 4 CHEM 3303/3103 Thermodynamics CHEM 3307/3107 Inorganic Chemistry	4 3 3 13	Aesthetic Appreciation core course CHEM 3302/3102 Instrumental Analysis PHYS 2326/2126 University Physics II MATH 3425 Differential Equations Credits Spring Semester 4 CHEM 3304/3104 Quantum Mechanics CHEM 4398 Internship or CHEM 4399 Senior Project	4 4 4 15
CHEM 3301/3101 Quantitative Methods PHYS 2325/2125 University Physics I Elective Course Elective Course Credits Fall Semester 4 CHEM 3303/3103 Thermodynamics CHEM 3307/3107 Inorganic Chemistry CHEM 3350 Chemical Research	4 3 3 13 4 3 3	Aesthetic Appreciation core course CHEM 3302/3102 Instrumental Analysis PHYS 2326/2126 University Physics II MATH 3425 Differential Equations Credits Spring Semester 4 CHEM 3304/3104 Quantum Mechanics CHEM 4398 Internship or CHEM 4399 Senior Project Elective course	4 4 4 15 4 3 3