

SCHREINER UNIVERSITY

Bachelor of Science

Biology-Pre Optometry

Sample Four Year Plan beginning Fall 2025

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

Minimum 120 Credit Hours

Fall Semester 1

BIOL 1301/1102 Concepts of Biological Science	4
Communication core course	3
IDST 1301 Freshman Studies	3
MATH 1310 College Algebra	3
Elective course	3
<i>Credits</i>	16

Spring Semester 1

BIOL 1302/1103 Organismal Biology	4
Communications core course	3
MATH 1321 Precalculus	3
PSYC 1301 Intro to Psychology	3
Elective course	3
<i>Credits</i>	16

Fall Semester 2

BIOL 2305/2105 Genetics	4
CHEM 1301/1101 General Chemistry	4
Global Perspective core course	3
MATH 2422 Calculus I	4
<i>Credits</i>	15

Spring Semester 2

BIOL 2350 Writing and Research	3
CHEM 1302/1102 General Chemistry II	4
Global Perspective core course	3
MATH 2330 Applied Statistics	3
Elective course	3
<i>Credits</i>	16

Fall Semester 3

BIOL 3314/3114 General Microbiology	4
CHEM 2311/2111 Organic Chemistry I	4
Elective course	3
PHYS 1301/1101 College Physics I <i>or</i>	4
PHYS 2325/2125 University Physics I	
<i>Credits</i>	15

Spring Semester 3

BIOL 3340 Evolutionary Biology	3
BIOL 3352/3152 Cell Biology	4
CHEM 2312/2112 Organic Chemistry II	4
PHYS 1302/1102 College Physics II <i>or</i>	4
PHYS 2326/2126 University Physics II	
<i>Credits</i>	15

Fall Semester 4

BIOL upper level choice ¹	3
BIOL upper level choice or PBHL 3373 ²	3-4
CHEM 3305/3105 Biochemistry I	4
Engagement core course	3
Elective course	3
<i>Credits</i>	16-17

Spring Semester 4

Aesthetic Appreciation core course	3
BIOL 4398 Internship <i>or</i> BIOL 4399 Senior Project	3
Engagement core course	3
Elective course	3
<i>Credits</i>	12