

SCHREINER UNIVERSITY

Bachelor of Science

Computer Science Cybersecurity 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

COSC 1301 Programming Logic	3
COSC 2302 Computer Architecture	3
COSC 2304 Operating Systems	3
IDST 1301 Freshman Studies	3
PHIL 1310 Introduction to Ethics	3

Credits **15**

Spring Semester 1

CHEM 1301/1101 General Chemistry	4
COSC 1101 Computer Science Theory	1
COSC 2301 Programming Languages	3
Global Perspective core course	3
Analytical core course	3

Credits **14**

Fall Semester 2

Communications core course	3
COSC 2303 Networking and Telecommunications	3
COSC 2305 Algorithms and Data Structures	3
Engagement core course	3
MATH 2422 Calculus I	4

Credits **16**

Spring Semester 2

COSC 2306 Information Management & Security	3
COSC 3301 Programming Language II	3
COSC 3304 Operating System Security	3
Elective course	3
Engagement core course	3

Credits **15**

Fall Semester 3

Aesthetic Appreciation core course	3
COSC 3305 Applied Network Security	3
COSC 3398 Internship in Computer Science	3
Elective course	3
Elective course	3

Credits **15**

Spring Semester 3

Communications core course	3
COSC 3302 Parallel & Distributed Networks	3
COSC 4305 Cloud Computing & Security	3
Elective Course	3
MATH 3337 Discrete Math	3

Credits **15**

Fall Semester 4

COSC 4301 Software Engineering	3
COSC 4306 Incident Response & Handling	3
Elective Course	3
Global Perspective core course	3
MATH Distribution choice	3

Credits **15**

Spring Semester 4

COSC 4307 Computer Forensics	3
COSC 4399 Senior Capstone Project	3
MATH Distribution choice	3
Elective course	3
Elective course	3

Credits **15**