

**A Sample 4-Year Plan for
the B.S. in Computer Science with General Emphasis**

First-Year Fall (14 hours)

COR 1002 Gateway Seminar in Christian Scholarship
EGL 1013 English I
MTH 1134 Calculus I
EN 1112 Intro to Engineering/CS
CS 1113 Introduction to Computing

First-Year Spring (15 hours)

BBL 1013 Old Testament
EGL 1023 English II
Statistics Elective (3 hours)
CS 2233 Object-Oriented Programming
MTH 1153 Linear Algebra

Sophomore Fall (15 hours)

BBL 1023 New Testament
Science Elective I (3 hours)
MTH 2213 Discrete Mathematics
CS 3243 Data Structures
CS 3213 Computer Architecture

Sophomore Spring (15 hours)

HIST 2013 Integrated Humanities I
Science Elective II (3 hours)
CS 3613 Operating Systems
CS 3363 Database Design
CS 3533 Software Engineering

Junior Fall (15 hours)

HIST 2023 Integrated Humanities II
BBL 2013 Essentials of Evangelical Theology
CS Elective (3 hours)
CS 3323 Algorithm/Computing Theory
CS 3423 Mobile/Web Applications

Junior Spring (15 hours)

Social and Behavioral Science Elective (3 hours)
BBL 2022 Essentials of Christian Formation
Whole Person Wellness (2 hours)
CS Elective (3 hours)
General Elective (3 hours)
EN 3222 Collaborative Design Lab

Senior Fall (15 hours)

Intercultural Engagement Elective (3 hours)

Arts and Humanities (3 hours)

CS Elective (3 hours)

General Elective (3 hours)

CS 4513 CS/Cybersecurity Capstone I

Senior Spring (16 hours)

Arts and Humanities or Social and Behavioral Science Elective (3 hours)

CS Elective (3 hours)

General Elective (2 hours)

General Elective (2 hours)

General Elective (3 hours)

CS 4523 CS/Cybersecurity Capstone II

Total semester-credit-hours: 120

A Sample 4-Year Plan for the B.A. in Computer Science

First-Year Fall (14 hours)

COR 1002 Gateway Seminar in Christian Scholarship
 EGL 1013 English I
 BBL 1013 Old Testament
 CS 1113 Introduction to Computing
 Foreign Language I (3 hours)

First-Year Spring (15 hours)

EGL 1023 English II
 MTH 1123 Survey of Calculus
 CS 2233 Object-Oriented Programming
 MTH 1153 Linear Algebra
 Foreign Language II (3 hours)

Sophomore Fall (15 hours)

BBL 1023 New Testament
 Science Elective I (3 hours)
 Statistics Elective (3 hours)
 MTH 2213 Discrete Mathematics
 Foreign Language III (3 hours)

Sophomore Spring (15 hours)

HIST 2013 Integrated Humanities I
 Science Elective II (3 hours)
 CS 3613 Operating Systems
 Foreign Language IV (3 hours)
 Technical Elective (3 hours)

Junior Fall (15 hours)

HIST 2023 Integrated Humanities II
 BBL 2013 Essentials of Evangelical Theology
 CS 3243 Data Structures
 CS 3213 Computer Architecture
 CS 3423 Mobile/Web Applications

Junior Spring (16 hours)

Social and Behavioral Science Elective (3 hours)
 BBL 2022 Essentials of Christian Formation
 Whole Person Wellness (2 hours)
 Technical Elective (3 hours)
 General Elective (3 hours)
 General Elective (3 hours)

Senior Fall (15 hours)

Intercultural Engagement Elective (3 hours)

Arts and Humanities (3 hours)

General Elective (3 hours)

General Elective (3 hours)

General Elective (3 hours)

Senior Spring (15 hours)

Arts and Humanities or Social and Behavioral Science Elective (3 hours)

General Elective (3 hours)

General Elective (3 hours)

General Elective (3 hours)

General Elective (3 hours)

Total semester-credit-hours: 120

A Sample 4-Year Plan for the B.S. in Cybersecurity Degree

First-Year Fall (16 hours)

COR 1002 Gateway Seminar in Christian Scholarship
 BBL 1013 Old Testament
 EGL 1013 English I
 Mathematics Core (3 hours)
 General Elective (2 hours)
 CS 1113 Introduction to Computing

First-Year Spring (15 hours)

BBL 1023 New Testament
 EGL 1023 English II
 Science Core I (3 hours)
 Intercultural Engagement Elective (3 hours)
 CS 2233 Object-Oriented Programming

Sophomore Fall (14 hours)

BBL 2022 Essentials of Christian Formation
 HST 2013 Integrated Humanities I
 Science Core II (3 hours)
 CS 3243 Data Structures
 CYB 2033 Networking Fundamentals (Bluefield College, Fall A)

Sophomore Spring (15 hours)

BBL 2013 Essentials of Evangelical Theology
 HST 2023 Integrated Humanities II
 General Elective (3 hours)
 CYB 3043 Linux Fundamentals (Bluefield College, Spring A)
 CYB 3103 Information Security Fundamentals (Bluefield College, Spring B)

Junior Fall (15 hours)

Whole Person Wellness (2 hours)
 Arts and Humanities Core (3 hours)
 General Elective (3 hours)
 General Elective (3 hours)
 CYB 3114 Networking Switching and Routing (Bluefield College, Fall A)

Junior Spring (15 hours)

Arts and Humanities or Social and Behavioral Science Core (3 hours)
 Social and Behavioral Science Core (3 hours)
 General Elective (3 hours)
 CYB 3133 Windows Server Installing and Configuring (Bluefield College, Spring B)
 Technical Elective (3 hours; JBU Graduate School)

Senior Fall (15 hours)

General Elective (3 hours)

General Elective (2 hours)

CYB 4104 Intrusion Detection/Prevention Systems (Bluefield College, Fall A)

Technical Elective (3 hours; JBU Graduate School)

CS 4513 CS/Cybersecurity Capstone I

Senior Spring (15 hours)

General Elective (3 hours)

General Elective (3 hours)

CYB 4033 Windows Server System Administration (Bluefield College, Spring A)

CYB 4043 Linux Server Administration (Bluefield College, Spring B)

CS 4523 CS/Cybersecurity Capstone II

Total semester-credit-hours: 120

A Sample 4-Year Plan for the B.A. in Cybersecurity Degree

First-Year Fall (14 hours)

COR 1002 Gateway Seminar in Christian Scholarship
 BBL 1013 Old Testament
 EGL 1013 English I
 CS 1113 Introduction to Computing
 Foreign Language I (3 hours)

First-Year Spring (15 hours)

BBL 1023 New Testament
 EGL 1023 English II
 Mathematics Core (3 hours)
 CS 2233 Object-Oriented Programming
 Foreign Language I (3 hours)

Sophomore Fall (15 hours)

HST 2013 Integrated Humanities I
 Science Core I (3 hours)
 CS 3243 Data Structures
 CYB 2033 Networking Fundamentals (Bluefield College, Fall A)
 Foreign Language I (3 hours)

Sophomore Spring (15 hours)

HST 2023 Integrated Humanities II
 Science Core II (3 hours)
 CYB 3043 Linux Fundamentals (Bluefield College, Spring A)
 CYB 3103 Information Security Fundamentals (Bluefield College, Spring B)
 Foreign Language I (3 hours)

Junior Fall (16 hours)

BBL 2022 Essentials of Christian Formation
 Whole Person Wellness (2 hours)
 Arts and Humanities Core (3 hours)
 General Elective (3 hours)
 General Elective (2 hours)
 CYB 3114 Networking Switching and Routing (Bluefield College, Fall A)

Junior Spring (15 hours)

BBL 2013 Essentials of Evangelical Theology
 Arts and Humanities or Social and Behavioral Science Core (3 hours)
 Social and Behavioral Science Core (3 hours)
 General Elective (3 hours)
 CYB 3133 Windows Server Installing and Configuring (Bluefield College, Spring B)

Senior Fall (14 hours)

Intercultural Engagement Elective (3 hours)

General Elective (3 hours)

General Elective (3 hours)

CYB 4104 Intrusion Detection/Prevention Systems (Bluefield College, Fall A)

CS 4511 CS/Cybersecurity Capstone I

Senior Spring (16 hours)

General Elective (3 hours)

General Elective (3 hours)

General Elective (3 hours)

CYB 4033 Windows Server System Administration (Bluefield College, Spring A)

CYB 4043 Linux Server Administration (Bluefield College, Spring B)

CS 4521 CS/Cybersecurity Capstone II

Total semester-credit-hours: 120