BSU in Computer Science: Sample 4-Year Plan (Joined Fall 2021)

Freshman Year

First semester	Credit	Second Semester	Credit
COSC 112 Computer Science I	4	COSC 113 Computer Science II	4
MATH 225 Calculus 1	4	MATH 226 Calculus II	4
ENGL 101 Expository Writing	3	ENGL 102Argument and Research	3
FRSE 101 Freshman Seminar	3	HIST 114 or 115 African American History	3
		COMM 101 Oral Communication	3
Total:	14	*Total:*	17

Sophomore Year

First semester	Credit	Second Semester	Credit
COSC 208 Discrete Structures	3	COSC 354 Computer Architecture	3
COSC 214 Data Structures and Algorithms	4	MATH 228 Linear Algebra	3
COSC 254 Computer Organization	4	BIOL 102 Introductory Biology (Life Science)	4
MATH 155 Probability and Statistics	3	Arts and Humanities Gen Ed Elective	3
Social /Behavioral Science Gen Ed Elective	3	Health and Wellness Elective	3
Total:	17	*Total:*	16

Junior Year

First semester	Credit	Second Semester	Credit
COSC 330 Systems Programming 1	3	COSC 414 Operating Systems	3
COSC 350 Programing Languages	3	COSC 428 Design and Analysis of Algorithms	3
CHEM 107 General Chemistry 1 (Physical Science)	4	COSC 430 Systems Programming II	3
Free Elective	4	ENGL 362 Technical Writing for Computer Science	3
		COSC Computer Science Elective[1]	3
Total:	14	*Total:*	15

Senior Year

First semester	Credit	Second Semester	Credit
COSC 465 Software Engineering	3	COSC 370 Computer Ethics, Social, and Legal Issues	3
COSC 495 Senior Seminar	3	COSC 480 Senior Capstone	3
COSC Computer Elective[2]	3	COSC Computer Science Elective[3]	3
Free Elective	3	Elective	3
Free Elective[4]	3		
Total:	15	*Total:*	15

---

[1] **Cybersecurity Focus students take COSC 435 -Foundations of Computer and Network Security**

[2] **Cybersecurity Focus students take COSC 402 -Software and Operating System Security**

[3] **Cybersecurity Focus students take COSC 446 -Incident Response and Digital Forensics**

[4] **Cybersecurity Focus students take a Cybersecurity elective**