

BS Computer Science with Cybersecurity

4-Year Course Sequence



GEORGE HERBERT WALKER
School of Business & Technology

Students should consult with their advisor to determine their plan of study.

Students must take 128 credit hours to graduate with an average of 16 credit hours per semester.

Semester	Course Type	# Credit Hours
First Year		
Fall		
	COSC 1570 Mathematics for Computer Science	3
	COSC 1550 Computer Programming I	3
	First-Year Seminar	3
	GCP	3
	General Elective	3
	Total:	15
Spring		
	COSC 1560 Computer Programming II	3
	COSC 2670 Network Principles	3
	GCP	3
	General Elective	6
	Total:	15
Second Year		
Fall - Study Abroad		
	GCP	6
	General Elective	9
	Total:	15
Spring		
	COSC 2610 Operating Systems	3
	COSC 2710 Social Engineering & Society	3
	COSC 2810 Systems Analysis & Design	3
	WSBT 2000 Career Exploration for Professional Success	3
	GCP	6
	Total:	18
Third Year		
Fall		
	MATH 3010 Discrete Mathematics	3
	COSC 3050 Data Structures I	3
	COSC 3230 Human Computer Interaction	3
	GCP	3
	General Elective	6
	Total:	18
Spring		
	COSC Data Structures II	3
	COSC 3510 Computer Architecture	3
	GCP	3
	General Elective	6
	Total:	15
Summer- Internship		
	Internship for Credit	3
	Total:	3
Fourth Year		
Fall		
	COSC 4110 Database Concepts	3
	CSSS 2410 Cybersecurity an Internet Architecture	3
	CSSS 2510 Cyber Attacks and Defenses	3
	Keystone	3
	General Elective	3
	Total:	15
Spring		
	COSC 4120 Database Applications	3
	CSSS 3510 Writing Secure code	3
	CSSS 4510 Cybersecurity Capstone Project	3
	General Elective	6
	Total:	15
	BS Computer Science with Emphasis Cybersecurity	54
	Freshman Seminar and Keystone	6
	GCP	24
	WSBT 2000 Career Exploration for Professional Success	3
	Internship for Credit (may be more than 3 hours)	3
	General Electives or Minor	39
	Total:	129