

BSc in Cybersecurity – 63 Credit Hours

Cyber Security majors at SJC-University will:

1. Be professional, contributing members of the diverse cybersecurity community.
2. Educate individuals about best practices for safeguarding sensitive information and how to respond effectively in the event of a security incident to ensure business continuity and resilience.
3. Foster personal and organizational success in a dynamic, globalized professional environment.
4. Improve society by applying Catholic, Jesuit, humanistic values to their professional and civic responsibilities.

YEAR ONE

Semester I		
COURSE CODE	COURSE DESCRIPTION	CR
CSEC 320	Cyber Threats and Defense	3
CSEC 350	Policy, Ethics, and Compliance	3
CSEC 336	Database Management Security	3
EN 1250	Seminar on Academic Writing	3
CR 460	Cybercrime	3
CSEC 360	Security Design Principles and Secure Operating System Concepts	3
Total Credit Hours		18

Semester II			
COURSE CODE	COURSE DESCRIPTION	CR	PREREQUISITE
CSEC 375	Network Forensics	3	CSEC 370
CIS 3850	Analytics and Visualization	3	
THE 308	Social Ethics and the Belizean Context	3	
CSEC 431	Operating Systems and Analysis	3	CSEC 360
CSEC 430	Risk Management	3	
Total Credit Hours		15	

YEAR TWO

Semester III			
COURSE CODE	COURSE DESCRIPTION	CR	PREREQUISITE
CSEC 4200	Ethical Hacking	3	CSEC 350
RSCH 4850	Advanced Research Methods	3	EN 1250
CSEC 452	Systems Administration	3	CSEC 360
COM 408	Conflict Management	3	
CSEC 370	Digital Forensics	3	
Total Credit Hours		15	

Semester IV			
COURSE CODE	COURSE DESCRIPTION	CR	PREREQUISITE
CSEC 480	Advanced Digital Forensics	3	CSEC 370
CSEC 485	Cloud Security	3	CSEC 375
CSEC 490	Emerging Trend in Cybersecurity	3	
CIS 4700	Advanced Database Systems	3	CSEC 336
CSEC 499	Senior Capstone	3	
Total Credit Hours		15	