CYBERSECURITY AND COMPUTER NETWORKING, CERTIFICATE OF ACCOMPLISHMENT

Banner Code: 3_CE_CYBR2
Not Financial Aid Eligible

This certificate program provides students with the basic skills needed for an entry-level career in cybersecurity or computer networking, such as Cybersecurity Specialist or Network Administrator. The program courses provide an overview of the field of cybersecurity as related to computer networking. Topics covered include computer network security, operating system security, firewalls, intrusion detection and prevention systems, incident monitoring and analysis, and computer security policies and procedures. The program courses include hands-on and technical writing assignments to help students develop in-demand skills for the cybersecurity workforce.

Program Level Student Learning Outcomes

Upon completion of this program, students will be able to:

1. Evaluate and communicate the human role in security systems with an emphasis on ethics, social engineering vulnerabilities, and training.
2. Assess security risks and identify methods to minimize their threat and/or impact.
3. Demonstrate the ability to locate technical resources to resolve security-related issues with networking hardware and software.
4. Apply risk management concepts to develop policies and procedures following security best practices.

Review Graduation Requirements (https://catalog.cccd.edu/coastline/graduation-requirements/certificates/#accomplishmenttext).

Course	Title	Units
Required Core		
Complete the following:		
CYBR C101	Introduction to Cybersecurity	3
CST C128	Computer Networking Principles (Network +)	3
Program Electives		
Select three courses of the following:		9
CST C191A	Linux Operating System Principles (Linux+)	
CST C198	Amazon Web Services (AWS) Cloud Foundations	
CST C248B	Wireless Networking	
CYBR C170	Cybercrime and CSIRT Coordination	
CYBR C230	Network Security (Security+)	
CYBR C270	Certified Information Systems Security Professional	
Total Units		**15**