INFORMATION TECHNOLOGY, CERTIFICATE OF ACHIEVEMENT

Banner Code: 3_CN_INFOT
Control Number: 20379
Financial Aid Eligible

This program provides students with a solid background in the field of information technology and computer networking. The program courses help students prepare for entry-level information technology positions, such as Network Administrator, Information Technology Support Specialist, and Computer Systems Analyst. Topics include computer networking fundamentals, computer and network security, introductory programming, server administration, and security policies and procedures. The program courses emphasize hands-on and technical writing assignments to help students develop in-demand skills for the information technology workforce.

Program Level Student Learning Outcomes

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

1. Demonstrate the ability to locate technical resources to solve problems with networking hardware and software.
2. Demonstrate proficiency with various software packages to solve common networking problems to design and implement a workable solution.
3. Build and maintain secure networks.

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

Course	Title	Units
Required Core		
Complete the following:		
CST C104	IT Fundamentals	3
CST C110	Computer Hardware and Software (A+ Essentials)	4
CST C128	Computer Networking Principles (Network +)	3
CST C158	Contemporary Operating Systems (Server+)	3
CYBR C101	Introduction to Cybersecurity	3
CIS C157	Introduction to Python Programming	3
Electives		
Select two of the following:		6
CST C172	SQL Server Design and Implementation	
CST C177A	MD-100: Windows 10	
CST C177B	Configuring Windows Devices	
CST C191A	Linux Operating System Principles (Linux+)	
CST C198	Amazon Web Services (AWS) Cloud Foundations	
CST C201D	CCNA 1: Introduction to Networks (ITN)	
CST C202D	CCNA 2: Switching, Routing, and Wireless Essentials	
CST C203D	CCNA 3: Enterprise Networking, Security, and Automation	
CST C248B	Wireless Networking	
CST C264	Introduction to Red Hat Linux Administration	
CST C274	Red Hat System Administration 2	
CST C275	Red Hat System Administrator 3	
CST C295	Amazon Web Services Architect Associate	
CST C296	Amazon Web Services Cloud Operations Associate	
CST C297	Amazon Web Services Cloud Developer	
CIS C260	Systems Analysis and Design	
Units Required for Major		**25**