

INFORMATION TECHNOLOGY, CERTIFICATE OF ACHIEVEMENT

Banner Code: 3_CN_INFOT

Control Number: 20379

Financial Aid Eligible

This certificate program provides students with a solid background in the field of information technology, covering essential concepts in operating systems, networking, and cloud architecture. The program courses are designed to help students prepare for entry-level information technology positions, such as Network Administrator, Information Technology Support Specialist, Cloud Administrator and Computer Systems Analyst. Topics include computer networking fundamentals, computer and network security, introductory programming, server administration, cloud architecture, 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, systems, and cloud solutions.
2. Demonstrate proficiency with various software packages to solve common networking, system, and cloud problems.
3. Demonstrate the ability to design and implement solutions for networking, system, and cloud operations.

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

Course	Title	Units
Required Courses		
Complete the following:		
IT C104	IT Fundamentals	4
CYBR C101	Introduction to Cybersecurity	3
IT C128	Computer Networking Principles (Network +)	3
or IT C201	Introduction to Networking (Cisco CCNA 1)	
IT C158	Contemporary Operating Systems (Server+)	3
CIS C157	Introduction to Python Programming	3
IT C198	Cloud Foundations	3
Program Electives		9
Select three courses from the following:		
IT C191	Linux Operating System Principles (Linux+)	
IT C201	Introduction to Networking (Cisco CCNA 1) 1	
IT C202	Essentials of Routing, Switching, and Wireless (Cisco CCNA 2)	
IT C203	Enterprise Networking, Security, and Automation (Cisco CCNA 3)	

Course	Title	Units
IT C248	Wireless Networking	
IT C295	Cloud Architecture and Networking	
Total Units		28

¹ This course can only be applied once, as either a required course or as an elective.