

COMPUTER NETWORKING: CISCO, CERTIFICATE OF ACHIEVEMENT

Financial Aid Eligible

Banner Code: 3_CN_CNCIS

Control Number: 20379

The Computer Networking: Cisco program will give the student a solid background in the field of Computer Networking. The focus on Cisco courses helps prepare students for the CCNA Certification Exam and for entry-level Networking positions. Courses are hands-on intensive and cover OSI and TCP/IP models, IPv4 and IPv6, cabling, router and switch configurations, routing protocols, LAN switching, RIP, OSPF, EIGRP, Frame Relay, variable length subnet masking, NAT, DHCP, and WAN design.

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 using theories learned in the classroom to design and implement a workable solution.
3. Build and maintain secure networks.

Certificate Graduation Requirements

A Certificate is awarded upon completion of the required coursework with a grade of C or higher in each course. A grade of P (Pass) is acceptable, however, the student must meet an overall GPA requirement of 2.0 to receive the certificate. To receive the certificate, a student must file a petition for graduation during their final semester prior to the application deadline as noted on the Coastline Graduation webpage (<https://www.coastline.edu/student-life/graduation.php>).

Certificate of Achievement

Certificate programs are designed to prepare individuals to enter a particular field of employment or to provide in-service training to those already employed. Certificates of Achievements are majors that include 16 units or more and will be posted on the transcript. They may be used as elective units towards the A.A. or A.S. Degree.

- Student must be in attendance at the time requirements are completed.
- Students must also earn a minimum of 12 units of coursework at Coastline, excluding experiential credit.
- A student with prior experience may be excused from certain certificate courses.
- 50 percent of the certificate program's units must be completed at Coastline no matter how the total number of units required for the certificate can be met.

Course	Title	Units
Required Courses		
Students will complete all of the following:		
CST C116A	A+ Essentials Hardware	3

Course	Title	Units
CST C128	Network+	3
CST C201D	CCNA 1: Introduction to Networks (ITN)	3
CST C202D	CCNA 2: Switching, Routing, and Wireless Essentials	3
CST C203D	CCNA 3: Enterprise Networking, Security, and Automation	3
Select one course from the following:		3
CST C177A	MD-100: Windows 10	
CST C191A	CompTIA Linux+	
CST C198	Amazon Web Services (AWS) Cloud Foundations	
CST C230	Introduction to Security	
Total Units		18