

# INFORMATION TECHNOLOGY, CERTIFICATE OF ACHIEVEMENT

**Banner Code:** 3\_CN\_INFOT

**Control Number:** 20379

**Not 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.

## 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
<b>Required Core</b>		
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
<b>Electives</b>		
Select two of the following:		
CST C172	SQL Server Design and Implementation	6
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