

CYBERSECURITY ANALYST, CERTIFICATE OF ACHIEVEMENT

Banner Code: 3_CN_CYAN

Control Number: 40033

Financial Aid Eligible

The courses in this program provide students with a solid foundation in the tools, techniques, and procedures used by cybersecurity professionals. The program is designed to prepare students with the knowledge of emerging trends in cybersecurity and the skills needed for an entry-level position or career advancement. Provides preparation for careers that assist organizations in building cyber resilience, such as Cybersecurity Specialist, Information Security Analyst, Cyber Crime Analyst, Incident and Intrusion Analyst, and Vulnerability Analyst for a variety of industries. Topics include fundamentals of computer networking, computer and network security, ethical hacking principles and methodology, digital forensics techniques, introductory programming, server administration, and 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.

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 Core:		
Complete the following:		
CYBR C101	Introduction to Cybersecurity	3
CST C128	Computer Networking Principles (Network +)	3
CST C158	Contemporary Operating Systems (Server+)	3
CIS C157	Introduction to Python Programming	3
Electives		
Select two courses from the following specialized areas:		6
CST C191A	Linux Operating System Principles (Linux+)	
CYBR C132	Introduction to Ethical Hacking	
CYBR C150	Introduction to Digital Forensics	
CYBR C160	Introduction to Incident Response	
CYBR C230	Network Security (Security+)	
CYBR C242	Vulnerability Assessment (PenTest+)	
CYBR C255	Cybersecurity Analyst (CySA+)	
CYBR C270	Certified Information Systems Security Professional	
CYBR C291	CompTIA Advanced Security Practitioner	
Total Units		18