

CYBERSECURITY SPECIALIST (APPLIED), CERTIFICATE OF ACHIEVEMENT

Financial Aid Eligible

This Pace+ certificate program provides students with a strong foundation in cybersecurity and computer networking, emphasizing the essential knowledge and skills required to protect and monitor modern information systems. The pre-planned sequencing of coursework and competencies builds on prior learning, ensuring students are best prepared to succeed as they progress through the coursework. For students with work experience, this program will provide them with the knowledge and skills to move up the career ladder to a Cybersecurity Specialist role or to progress further along a cybersecurity career path. Coursework covers cyber hygiene, network fundamentals, operating systems, scripting basics, cryptography, and network defense, along with hands-on experience using Splunk for security monitoring and threat analysis. Technical labs and applied assignments help students build practical competencies in securing networks, identifying vulnerabilities, analyzing system activity, and documenting security procedures. Upon completion, students are prepared for entry-level roles in cybersecurity and network security environments.

Program Learning Outcomes

1. Implement and promote basic security measures to protect computer files and networks against common threats and ensure digital hygiene.
2. Apply analytical and monitoring tools, such as Splunk and Wireshark to identify, analyze, and report on network activity, vulnerabilities, and security risks.
3. Utilize fundamental scripting concepts to automate basic security and administrative tasks.
4. Evaluate security protocols and policies to maintain compliance and safeguard information access.

This Pace+ program requires additional application and registration requirements. Please meet with a Coastline counselor for further information.

Course	Title	Units
CYBR C100	Cyber Hygiene	3
CIS C105	Introduction to Business Office Technology	3
IT C130	Principles of Networked Systems	3
CYBR C140	Network Technologies with Splunk	3
CYBR C180	Network Optimization and Monitoring with Splunk	3
CYBR C220	Enterprise Security with Splunk	3
Total Units		18