# OFFENSIVE SECURITY, CERTIFICATE OF ACHIEVEMENT

**Banner Code:** 3_CN_OFSE
**Control Number:** 42526
**Not Financial Aid Eligible**

This program provides students with the foundational skills for penetration testing and vulnerability assessment. The program courses include fundamental skills needed in information security, cybersecurity principles, ethical hacking, and penetration testing. The emphasis on hands-on security practices and vulnerability assessment provides students with the foundational skills needed for an entry-level career in penetration testing. Topics covered include computer and network security, infrastructure and operational security, risk mitigation, cyber ethics, hardware vulnerabilities, hacker techniques, 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.

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

| Course | Title | Units |
|---|---|---|
| **Required Core** | | |
| Complete the following: | | |
| CYBR C101 | Introduction to Cybersecurity | 3 |
| CST C191A | Linux Operating System Principles (Linux+) | 3 |
| CYBR C132 | Introduction to Ethical Hacking | 3 |
| CYBR C170 | Cybercrime and CSIRT Coordination | 3 |
| CYBR C230 | Network Security (Security+) | 3 |
| CYBR C234 | Web Application Security | 3 |
| CYBR C242 | Vulnerability Assessment (PenTest+) | 3 |
| **Total Units** | | **21** |