

# DIGITAL FORENSICS AND INCIDENT RESPONSE, CERTIFICATE OF ACHIEVEMENT

**Banner Code:** 3\_CN\_DIF

**Control Number:** 39971

**Not Financial Aid Eligible**

This program provides students with a solid foundation in the specialized area of cyber investigations techniques in the field of cybersecurity. The program is designed to prepare students for entry-level cyber jobs or advancement into mid-level cyber careers, such as Cyber Crime Analyst, Cyber Incident Analyst, Cyber Incident Responder, Digital Forensics Examiner, Digital Forensics Technician, and Vulnerability Analyst.

Topics covered include planning and scoping a cyber incident, domestic and international cyber laws, cyber ethics, chain of custody, incident detection and analysis, anti-forensic techniques, timeline analysis, incident containment, eradication, recovery, report preparation, and expert testimony. The program includes hands-on and technical writing assignments to help students develop their 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
<b>Required Core:</b>		
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
CYBR C150	Introduction to Digital Forensics	3
CYBR C160	Introduction to Incident Response	3
CYBR C170	Cybercrime and CSIRT Coordination	3
CYBR C250	Intermediate Digital Forensics	3
CYBR C260	Intermediate Incident Response	3
<b>Units Required for Major</b>		<b>27</b>