# DIGITAL FORENSICS AND INCIDENT RESPONSE, ASSOCIATE OF SCIENCE DEGREE

**Banner Code:** 3_AS_DIF
**Control Number:** 39533
**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 courses emphasize development of in-demand technical skills and technical writing to help students prepare 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/associate-degree/) and General Education (https://catalog.cccd.edu/coastline/general-education/).

| Course | Title | Units |
|---|---|---|
| **Required Core:** | | |
| Complete the following: | | |
| CYBR C101 | Introduction to Cybersecurity | 3 |
| IT C128 | Computer Networking Principles (Network +) | 3 |
| IT C158 | Contemporary Operating Systems (Server+) | 3 |
| CYBR C150 | Introduction to Digital Forensics | 3 |
| CYBR C160 | Introduction to Incident Response | 3 |
| CYBR C170 | Cybercrime and CSIRT Coordination | 3 |
| CYBR C230 | Network Security (Security+) | 3 |
| CYBR C250 | Intermediate Digital Forensics | 3 |
| CYBR C260 | Intermediate Incident Response | 3 |

| Course | Title | Units |
|---|---|---|
| *Units Required for Major* | | *27* |
| Local General Education, CSU General education, or IGETC pattern | | varies |
| Electives to Satisfy Unit Requirement | | varies |
| **Total Units** | | **60** |