

DIGITAL FORENSICS AND INCIDENT RESPONSE, CERTIFICATE OF ACHIEVEMENT

3_CN_DIF

The program in Digital Forensics and Incident Response will provide students with a solid foundation in the field of cybersecurity with specialization in cyber defense techniques. The program is designed to prepare students for entry-level cyber jobs or to help them advance into mid-level cyber careers, such as cybercrime analyst, cyber incident analyst, cyber incident responder, digital forensic examiner, digital forensic technician, and vulnerability tester. Topics covered include planning and scoping a cyber incident, domestic and international cyber laws, 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

1. Demonstrate the ability to locate technical resources to solve security-related problems with networking hardware and software.
2. Demonstrate proficiency with various tools to solve common security problems using theories learned in the classroom to design and implement a workable solution.
3. Evaluate, assess vulnerabilities, and maintain secure networks.

Certificate Graduation Requirements

A Certificate is awarded upon completion of the required coursework with a grade of C or higher in each course. To receive the certificate, the student must file a petition for graduation during his/her final semester. In addition:

Certificate of Achievement

- 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:		
CYBR C150	Introduction to Digital Forensics	3
or CST C245	Introduction to Digital Forensics	
CYBR C160	Introduction to Incident Response	3
CYBR C170	Cybercrime and CSIRT Coordination	3
CYBR C250	Intermediate Digital Forensics	3

Course	Title	Units
CYBR C260	Intermediate Incident Response	3
CYBR C280	Advanced Digital Forensics & Incident Response Capstone	3
Total Major Units		18