

DIGITAL FORENSICS AND INCIDENT RESPONSE, ASSOCIATE OF SCIENCE

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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.

Associate Degree Requirements

Unit Requirement

Complete at least 60 units of acceptable college work with a minimum of 12 units completed in residence at Coastline. Earn an overall grade point average of 2.0 or higher from all colleges attended and a 2.0 or higher grade point average at Coastline.

*Students must be in good academic standing (not on probation and/or disqualification) during the semester graduation is petitioned.

Program of Study

Complete the required courses in one of the programs as detailed in the Academic/Career/Certificate Programs section of this catalog. All coursework must be completed with a grade of C or higher.

General Education

Complete one of the three General Education options below (visit the General Education page for details (<https://catalog.cccd.edu/coastline/general-education/>)):

Option 1 – Coastline General Education: designed for students pursuing an Associate degree and who may or may not be planning to transfer to a four-year university. The degree is transferable to many colleges and universities.

Option 2—CSU GE Breadth: designed for students who are planning to transfer to a university in the CSU system. It may also

be appropriate for transfer to some independent colleges and universities.

Option 3—IGETC: designed for students who are planning to transfer to a university in the CSU or UC system. It also may be appropriate for transfer to some independent colleges and universities.

Global and Multicultural Studies Requirement

Complete at least 2.5 units from any Global and Multicultural Studies courses. See what courses fulfill the Global and Multicultural Studies Requirement (<https://catalog.cccd.edu/coastline/graduation-requirements/#globalandmulticulturalstudies>).

Course	Title	Units
Required Core:		
CYBR C150 or CST C245	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
CYBR C280	Advanced Digital Forensics & Incident Response Capstone	3
Total Major Units		18
Requirement		Units
Total Units for Major Preparation		18
Degree Option 1, 2, or 3		Varies
Electives to satisfy unit requirement		Varies
Total Degree Units		60