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 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/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
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

Course	Title	Units
CYBR C260	Intermediate Incident Response	3
Units Required for Major		**27**

Requirement	Units
Local General Education, CSU General Education, or IGETC pattern	Varies
Electives to satisfy unit requirement	Varies
Total Units for Degree	60

Digital Forensics and Incident Response Degree Program Map

This program map is a recommended example of all major (program) requirements as well as general education requirements for two-year completion or transfer. This path may be altered to fit your individual academic needs. This two-year program map was created by program faculty and counselors and demonstrates a recommended path to completion. **Students are advised to meet with a Coastline Counselor for individualized program planning.**

Your Path to Success

Follow this path to earn your degree in Digital Forensics and Incident Response in 2 years.

Don't forget to consult a counselor for an education plan!

Course	Title	Units
1st Semester		
ENGL C100	Freshman Composition	4
MATH C160	Introduction to Statistics	4
CMST C101	Fundamentals of Human Communication	3
CST C128	Computer Networking Principles (Network +) [*]	3
CYBR C101	Introduction to Cybersecurity	3
2nd Semester		
BIOL C100	Introduction to Biology	3
PSYC C100	Introduction to Psychology	3
MUS C139	History of Rock Music	3
HIST C175	United States History since 1876	3
CIS C157	Introduction to Python Programming [*]	3
CST C158	Contemporary Operating Systems (Server +) [*]	3
3rd Semester		
ENGL C102	Critical Reasoning, Reading, and Writing	3
PHIL C120	Ethics	3
HLTH C100	Personal Health	3
CYBR C150	Introduction to Digital Forensics	3
CYBR C160	Introduction to Incident Response	3
CYBR C170	Cybercrime and CSIRT Coordination	3
4th Semester		
ASTR C100	Introduction to Astronomy	3
ASTR C100L	Astronomy Laboratory	1
PSCI C180	American Government	3
SOC C233	Racial and Ethnic Relations in America	3

Course	Title	Units
CYBR C250	Intermediate Digital Forensics	3
CYBR C260	Intermediate Incident Response	3

*
Offered in the summer session