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 Learning Outcomes

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 the Associate in Science and Associate in Arts Graduation Requirements (https://catalog.cccd.edu/coastline/graduation-requirements/associate-degree/) and General Education (https://catalog.cccd.edu/coastline/general-education/) requirements.

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
Units Required for Major		*27*
Local General Education or CalGETC pattern		varies
Electives to Satisfy Unit Requirement		varies
Total Units		**60**