CITY - CYBER INCIDENT RESPONSE - CERTIFICATE OF PERFORMANCE

PROPOSAL INFORMATION

Action Proposed: Program Revision

Proposal Originator: David Kennemer

Origination Date:10/06/2020

Proposed Start: Fall 2021

Need for Proposal:

2-year program review; Revise program and award description; Revise career options; Updated course title change for INWT 200.

Attached Documents:

COE LMI - Cloud_Technician_Occupations_1
COE LMI - Computer_Occupations_All_Other
COE LMI - Information Technology (Imperial County)
COE LMI - Information_Security_Analysts
COE LMI - Information_Technology_Administrators
COE LMI - Software_Developers_Applications
OccProfile, CA LMI_SOC15-1122
OccProfile, CA LMI_SOC15-1132
OccProfile, CA LMI_SOC15-1142
OccProfile, CA LMI_SOC15-1151
OccProfile, CA LMI_SOC15-1199
Narrative_Fall 2021

PROGRAM & AWARD INFORMATION

Award Description:

The Certificate of Performance in Cyber Incident Response provides an intermediate to advanced-level study of cybersecurity methodologies through a curriculum that follows the National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework with the common goal of developing critical knowledge, skills, and abilities to perform cybersecurity tasks. The curriculum includes hand-on experience in virtual environments that simulate real-world scenarios in the domains of system vulnerabilities, managing risk, and responding to cyber incidents. This pathway includes preparation for industry-recognized certifications geared towards preparing students for a successful career in cybersecurity workforce roles that have an impact on an organization's ability to protect its data, systems, and operations.

Program Description:

The expanding field of Information Technology (IT) comprises various facets, including network administration and cybersecurity, telecommunications, computer support, computer science, software programming, and system analysis and design. Almost every company's business strategy relies on the use of information systems in order to succeed and grow into the future. For this reason, San Diego City College's Computer Information Systems Program offers a bridge between business, computer science, and information technology.

The Computer Information Systems program offers transfer and certification programs in the information system and information technology fields. These programs include computer literacy; application, web, and database programming; database administration; and a variety of vendor specific and vendor neutral industry-standard certification training. The roles of the various information system professionals are to design, implement, operate, and maintain a computer information system. These professionals also provide services in the networking areas such as systems engineers, systems administrators,

security analysts, and network specialists.

Graduates of the program possess an applied knowledge of fields, such as web programming, system infrastructure, databases, networking, e-business, project management, data center management, security, and information assurance.

Program Goals:
This section is no longer updated in CurricUNET.

Program Emphasis:

Career Options:
Some careers in the cybersecurity field require education beyond the associate degree in either Cybersecurity or Information Assurance. Careers in the cybersecurity or information assurance field include: information security consultant, security administrator, security analyst, security engineer, security auditor, incident responder, penetration tester, vulnerability assessor, support technician, systems administrator, network administrator, and network specialist.

COURSES REQUIRED FOR THE MAJOR:		UNITS
INWT 200	Ethical Hacking and Penetration Testing *Approved*	4
INWT 205	CompTIA Advanced Security Practitioner (CASP) Certification Training *Active*	4
INWT 210	Introduction to Computer Forensics Investigation *Active*	3
Total Units		**11**

DATES & CODES

CIC Approval: 12/10/2020

Board Approval: **TOP Code:** 0708.00

State Approval: **State Approval (Unique) Code:**

Subject Area: Information, Network, and Web Technologies

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Program Area: Computer Information Systems

Program ID: 4215