CITY - NETWORK SECURITY I - CERTIFICATE OF PERFORMANCE

PROPOSAL INFORMATION

Action Proposed: Program Revision

Proposal Originator: David Kennemer

Origination Date:02/21/2018

Proposed Start: Fall 2021

Need for Proposal:

2-year program review; Revise program award title; Revise program and award description; Revise career options; Remove INWT 135 and INWT 200 from courses required for the major. Add INWT 120 and INWT 140 to courses required for the major. Revision is to create a stronger foundation certificate in network security.

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](#)
[Advisory Approval](#)
[Narrative_Fall 2021](#)

PROGRAM & AWARD INFORMATION

Award Description:

The Certificate of Performance in Network Security I provides students with the entry-level skills to design and implement secure network architecture concepts and systems design. This curriculum includes hands-on experience in virtual environments that simulate real-world scenarios in installation and administration of network technologies and tools, encryption and public key infrastructure (PKI), and identity and access management. This pathway includes preparation for industry-recognized certifications geared towards preparing students for a successful career in IT roles that are vital for building, protecting, and maintaining information and technology assets.

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 120	Network+ Certification Training *Active*	4
INWT 140	Security+ Certification Training *Active*	3
Total Units		**7**

DATES & CODES

CIC Approval: 12/10/2020
Board Approval: 03/11/2021   **TOP Code:** 0708.00
State Approval: **State Approval (Unique) Code:**

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