

CITY - NETWORK SECURITY II - CERTIFICATE OF ACHIEVEMENT

PROPOSAL INFORMATION

Action Proposed:New Program

Proposal Originator:David Kennemer

Origination

Date:09/26/2020

Proposed Start:Fall 2021

Need for Proposal:

Create a new stackable certificate to progress student skills in intermediate network security concepts. Advisory board committee recommended. Proposed with TOP Code: 0708.00* Computer Infrastructure and Support. November 13, 2020 Regional Consortium recommendation attached.

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](#)

[Regional Consortium Recommendation 2020-11-13_V1](#)

[Regional Consortium Recommendation 2020-11-13_V2](#)

PROGRAM & AWARD INFORMATION

Award Description:

The Certificate of Achievement in Network Security II provides students with the intermediate-level skills to apply behavioral analytics to networks and devices to prevent, detect, and combat cybersecurity threats through continuous security monitoring. This curriculum includes hands-on experience in virtual environments that simulate real-world scenarios in threat and vulnerability management, compliance and assessment, and incident response. 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 will have 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
INWT 145	Linux+ Certification Training *Active*	4
INWT 170	Cybersecurity Analyst+ (CySA+) Certification Training *Active*	3
INWT 200	Ethical Hacking and Penetration Testing *Approved*	4

Total Units

18

DATES & CODES

CIC Approval: 12/10/2020

Board Approval: 03/11/2021

State Approval:

TOP Code: 0708.00

State Approval (Unique) Code:

Subject Area: Information, Network, and Web Technologies

Report Run: 03/23/2021 10:47 AM

Program Area: Computer Information Systems

Program ID: 4205