

Computer Network and Security Management Certificate of Achievement

Major Code: 0708.10

Total Units: 30 units

SLO#1-Install, configure and manage industry standard computer operating system with security emphasis

SLO#2-Install, configure, manage and troubleshoot industry leading network systems

SLO#3-Install and configure routers and switches internetwork operating systems

SLO#4-Administer server network operating systems and infrastructure

SLO#5-Understand a full range of security concepts & techniques

SLO#6-Learn cloud technology and manage virtualized environments

A+: CIS 213+ CIS 212

Linux+: CIS 112+ CIS 113

Network+: CIS 212+ CIS 214

Security+: CIS 211+ CIS 215

CISCO: CIS 229+230+225

Microsoft network: CIS 227

Palo Alto network: CIS 236

Apple admin: CIS 110

AWS: CIS 192+ CIS 193+ CIS 194+ CIS 195

Semester 1:

	Units
CIS 213 A+ Software	3
CIS 214 Intro to Computer Network	3
Major Electives* (CIS 212 A+ Hardware)	3
Total Units	9

Semester 2:

	Units
CIS 229 Intro to Cisco Network	3
CIS 211 Security+ Preparation	3
CIS 227 Intro to Microsoft Server	3
Total Units	9

Semester 3:

	Units
CIS 230 Intro to Cisco Router	3
CIS 215 Network & Info Security	3
Major Elective*	3
Total Units	9

Winter/Summer:

	Units
Major Elective*	3
Total Certificate Units	30

*Major Electives:

An additional 3 courses from the following courses

CIS 101	Intro to Computers and Their Uses
CS 101	Intro to Computer Science
CIS 212	A+ Hardware
CIS 166	Computer Forensic
CIS 112+113	Linux +
CIS 110	Apple Administration
CIS 236	Palo Alto Network Cybersecurity Essential Microsoft
CIS 237	SQL
CIS 192	Intro to Cloud Computing
CIS 225	Enterprise Networking Security and Automation