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

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A+: CIS 213+ CIS 212
Linux+: CIS 113+ CIS 115
Network+: CIS 212+ CIS 214
Security+: CIS 211+ CIS 215
CISCO CCNA: CIS 229+ CIS 230

Microsoft network: CIS 227+ CIS 217+ CIS 218
VMware: CIS 23+ CIS 232+ CIS 233+CS977
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**

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*Major Electives:
Choose an additional 9 units from the following courses

CIS 185	**(Direct Study- Computer Science - Information Technology)**
CIS 285	**(Direct Study- Computer Science - Information Technology)**
CIS 212	**(A+ Hardware)**
CIS 166	**(Computer Forensic)**
CIS 113	**(Intermediate Linux +)**
CIS 110	**(Apple Administration)**
CIS 115	**(Advance Linux Operating System)**
CIS 231	**(Virtualization and Cloud Computing)**
CIS 232	**(Information Storage and Management for Computer Network)**
CIS 233	**(VSphere Install, Configure, and Management)**
CIS 217	**(Microsoft Network Infrastructure Administrator)**
CIS 218	**(Introduction to Windows Active Directory)**
CIS 236	**(Palo Alto Network Cybersecurity Essential)**
CIS 237	**(Installing, Configuring and Administrating Microsoft SQL)**
CIS 300	**(Computer Laboratory)**

// OCT 12, 2019