

Computer Network and Security Management Associate Degree

Major Code: 0708.10

Total Units: 60 units

AS degree requires 30 units of major 18 units of G.E. and 12 units of any CS/CIS/GE courses

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+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:

Course		Units
CIS 213	A+ Software	3
CIS 214	Intro to Computer Network	3
*CIS 212	A+ Hardware (elective)	3

Semester 2:

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

Semester 3:

Course		Units
CIS 230	Intro to Cisco Router	3
CIS 215	Network Security Fundamentals	3
	Major Elective*	6

Total Major Units 30

Semester 4:

	GE Elective (see counselors)	21
	Additional GE/CS/CIS	9

Total Degree Units 60

*Major Electives:

Choose 3 courses from the following courses

CIS 101	Intro to Computers and Their Uses
CS 101	Intro to Computer Science
CIS 212	Intro to Computer Hardware
CIS 166	Computer Forensic
CIS 112/113	Linux +
CIS 110	Apple Administration
CIS236	Palo Alto Network Cybersecurity Essential
CIS 237	Microsoft SQL
CIS192	Intro to Clous Computing
CIS225	Enterprise Networking, Security and Automation