Certificate of Achievement in Network and Information System Security

*Requirement: three required plus three elective courses total 18 units

Course Number	Core or Elective	Course Title	Units	Year Semester
CIS 214	Core	Intro to Computer Networks	3	Y 1 S 1
CIS 211	Core	Security+ Certification Preparation	3	Y 1 S 2
CIS 215	Core	Network Security Fundamentals	3	Y 1 S 2
		Restricted Elective Course List (3 courses)	9	
CIS 101	Elective	Intro to Computers and Their Uses		Y 1 S 1
CIS 110	Elective	Apple Administration		Y 1 S 2
CIS 112	Elective	Operating Systems -beginning Linux		Y 1 S 1
CIS 113	Elective	Intermediate Linux		Y 1 S 2
CIS 166	Elective	Computer Forensics		
CIS 192	Elective	Intro to Cloud Computing		Y 1 S 2
CIS 212	Elective	A+ Certification Preparation (hardware)		Y 1 S 1
CIS 213	Elective	A+ Certification Preparation (software)		Y 1 S 1
CIS 237	Elective	Install, Config and Admin MS SQL		Y 2 S 1
CS 101	Elective	Intro to Computer Science		Y 2 S 1
		Total Certificate Units	18	

Certificate of Achievement in Computer Network Management

*Requirement: three required and three elective courses total 18 units

Course Number	Core or Elective	Course Title	Units	Year Semester
CIS 229	Core	Intro to CISCO Network Fundamentals	3	Y 1 S2
CIS 227	Core	Server Administration and Network Security	3	Y 1 S1
CIS 230	Core	Intro to CISCO Routers	3	Y 1 S2
		Restricted Elective Course List (3 courses)	9	
CIS 101	Elective	Intro to Computers and Their Uses		
CIS 110	Elective	Apple Administration		Y 1 S 1
CIS 112	Elective	Operating Systems (beginning Linux)		Y 1 S 2
CIS 113	Elective	Intermediate Linux		Y 1 S 1
CIS 166	Elective	Computer Forensics		Y 1 S 2
CIS 192	Elective	Intro to Cloud Computing		
CIS 212	Elective	A+ Certification Preparation (hardware)		Y 1 S 1
CIS 213	Elective	A+ Certification Preparation (software)		Y 1 S 1
CIS 225	Elective	Enterprise Networking, Security &Automation		Y 1 S 1
CS 101	Elective	Intro to Computer Science		Y 2 S 1
				Y 2 S 1
		Total Certificate Units	18	