

Certificate of Achievement in Network and Information System Security

*Requirement: four required plus two elective courses total 18 units

Course Number	Core or Elective	Course Title	Units	Year Semester
CIS 110	Core	Apple Administration	3	Y 1 S 1
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 (2 courses)				
CIS 104	Elective	Microcomputer Application		Y 1 S 1
CIS 112	Elective	Operating Systems -beginning Linux		Y 1 S 1
CIS 192	Elective	Intro to Cloud Computing		Y 1 S 1
CIS 212	Elective	A+ Certification Preparation (hardware)		Y 1 S 1
CIS 213	Elective	A+ Certification Preparation (software)		Y 1 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: four required and two 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 S1
CIS 227	Core	Server Administration and Network Security	3	Y 1 S2
CIS 230	Core	Intro to CISCO Routers	3	Y 1 S2
CIS 225	Core	Enterprise Networking, Security & Automation	3	Y1 S2
Restricted Elective Course List (2 courses)				
CIS 105	Elective	Intro to Data Analytic Techniques& Tools	6	Y1 S 1
CIS 192	Elective	Intro to Cloud Computing		Y1 S 1
CIS 124	Elective	Data Analytics (Advanced Excel &Access)		Y1 S 2
CIS 110	Elective	Apple Administration		Y1 S 1
CIS 212	Elective	A+ Certification Preparation (hardware)		Y 1 S 1
CIS 213	Elective	A+ Certification Preparation (software)		Y 1 S 2
Total Certificate Units			18	

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