Information Systems Security AAS Degree (A25270)

High Technology Criminal Investigations Diploma (D25270H)

Cisco Security Certificate (C5270C)

Systems Security Practitioner Certificate (C25270I)

Red Hat Security Specialist Certificate (C25270R)

INFORMATION SYSTEMS SECURITY (A25270)
A.A.S. Degree (Day)

PROGRAM PLANNING GUIDE

Date Revised: March 2014
Replaces Curriculum Schedule With Revision Date: April 2013

| | | | | **Curriculum By Semester** | | | | |

Course No.		Course Title	Class	Lab	Credits
FIRST SEMESTER					
CIS	110	Introduction to Computers	2	2	3
SEC	110	Security Concepts	2	2	3
NOS	110	Operating System Concepts	2	3	3
MAT	121	Algebra/Trigonometry I	2	2	3
ENG	111	Writing and Inquiry	3	0	3
SECOND SEMESTER					
NET	125	Networking Basics	1	4	3
NET	126	Routing Basics	1	4	3
NOS	120	Linux/UNIX Single User	2	2	3
NOS	130	Windows Single User	2	2	3
SEC	150	Secure Communications	2	2	3
SUMMER SEMESTER					
____	____	Social and Behavioral Sciences Elective (min 3 cr hrs)	-	-	3
____	____	Humanities and Fine Arts Elective (min 3 cr hrs)	-	-	3
CTS	115	Info Sys Business Concepts	3	0	3
CIS	115	Introduction to Programming and Logic	2	3	3
THIRD SEMESTER					
CJC	111	Intro to Criminal Justice	3	0	3
SEC	160	Security Administration I	2	2	3
SEC	210	Intrusion Detection	2	2	3
____	____	Major Elective I	-	-	3
____	____	Major Elective II	-	-	3
FOURTH SEMESTER					
DBA	110	Database Concepts	2	3	3
SEC	220	Defense-In-Depth	2	2	3
____	____	Communications Elective (min 3 cr hrs)	-	-	3
____	____	Major Elective III	-	-	3
____	____	Major Elective IV	-	-	3
SUMMER SEMESTER					
SEC	289	Security Capstone Project	1	4	3

GRADUATION REQUIREMENT **Credit Hours** **75**

| | **See pages 2 and 3 for Elective lists** | |

INFORMATION SYSTEMS SECURITY (A25270)
A.A.S. Degree (Day)

PROGRAM PLANNING GUIDE

This is Page 2, which lists the General Education Electives

General Education Electives

Humanities and Fine Arts Electives
(choose 3 credit hours from the following courses)

Course No.		Course Title	Class Hrs	Lab Hrs	Credit Hrs
ART	111	Art Appreciation	3	0	3
DRA	111	Theatre Appreciation	3	0	3
HUM	115	Critical Thinking	3	0	3
MUS	110	Music Appreciation	3	0	3
PHI	240	Introduction to Ethics	3	0	3

Communications Electives
(choose 3 credit hours from the following courses)

Course No.		Course Title	Class Hrs	Lab Hrs	Credit Hrs
COM	120	Introduction to Interpersonal Communications	3	0	3
COM	231	Public Speaking	3	0	3
ENG	112	Writing/Research in the Discipline	3	0	3
ENG	113	Literature-Based Research	3	0	3
ENG	114	Professional Research & Reporting	3	0	3

Social and Behavioral Sciences Electives
(choose 3 credit hours from the following courses)

Course No.		Course Title	Class Hrs	Lab Hrs	Credit Hrs
ECO	151	Survey of Economics	3	0	3
ECO	251	Principles of Microeconomics	3	0	3
HIS	111	World Civilizations I	3	0	3
POL	110	Introduction to Political Science	3	0	3
PSY	118	Interpersonal Psychology	3	0	3
PSY	150	General Psychology	3	0	3
SOC	210	Introduction to Sociology	3	0	3
SOC	213	Sociology of the Family	3	0	3
SOC	220	Social Problems	3	0	3

INFORMATION SYSTEMS SECURITY (A25270)
A.A.S. Degree (Day)

PROGRAM PLANNING GUIDE

This is Page 3, which lists the two groupings of Major Electives

Required Major Electives

Major Electives (select one Option grouping below)

Course No.		Course Title	Class Hrs	Lab Hrs	Credit Hrs
Option 1 - Cisco Certified Network Associate Security Track					
NET	225	Routing & Switching I	1	4	3
NET	226	Routing & Switching II	1	4	3
NET	270	Building Scalable Network	1	4	3
SEC	193	Secure Routing/Firewalls	1	4	3
Option 2 - Global Certified Windows Security Administrator (GCWN) Track					
NOS	230	Windows Admin I	2	2	3
NOS	231	Windows Admin II	2	2	3
NOS	232	Windows Admin III	2	2	3
NOS	233	Windows Admin IV	2	2	3
Option 3 - Redhat Certified Security Specialist Track					
NOS	220	Linux/UNIX Admin I	2	2	3
NOS	221	Linux/UNIX Admin II	2	2	3
NOS	222	Linux/UNIX Admin III	2	2	3
NOS	230	Windows Admin I	2	2	3
Option 4 - High Technology Criminal Investigations Diploma Track					
CCT	121	Computer Crime Investigations	3	2	4
CCT	240	Data Recovery Techniques	2	3	3
CTS	120	Hardware/Software Support	2	3	3
CTS	220	Advanced Hardware/Software Support	2	3	3

INFORMATION SYSTEMS SECURITY (A25270)
A.A.S. Degree (Evening)

PROGRAM PLANNING GUIDE

Date Revised: March 2014
Replaces Curriculum Schedule With Revision Date: April 2013

			Hours Per Week		
Course No.		Course Title	Class	Lab	Credits
FIRST SEMESTER					
NOS	110	Operating System Concepts	2	3	3
SEC	110	Security Concepts	2	2	3
CIS	110	Introduction to Computers	2	2	3
SECOND SEMESTER					
NOS	130	Windows Single User	2	2	3
ENG	111	Writing and Inquiry	3	0	3
MAT	121	Algebra/Trigonometry I	2	2	3
SUMMER SEMESTER					
DBA	110	Database Concepts	2	3	3
NOS	120	Linux/UNIX Single User	2	2	3
____	____	Social and Behavioral Sciences Elective (min 3 cr hrs)	-	-	3
THIRD SEMESTER					
NET	125	Networking Basics	1	4	3
NET	126	Routing Basics	1	4	3
CJC	111	Intro to Criminal Justice	3	0	3
FOURTH SEMESTER					
SEC	150	Secure Communications	2	2	3
CTS	115	Info Sys Business Concept	3	0	3
CIS	115	Introduction to Programming and Logic	2	3	3
SUMMER SEMESTER					
____	____	Humanities and Fine Arts Elective (min 3 cr hrs)	-	-	3
____	____	Communications Elective (min 3 cr hrs)	-	-	3
SEC	160	Security Administration I	2	2	3
FIFTH SEMESTER					
SEC	210	Intrusion Detection	2	2	3
____	____	Major Elective I	-	-	3
____	____	Major Elective II	-	-	3
SIXTH SEMESTER					
SEC	220	Defense-In-Depth	2	2	3
____	____	Major Elective III	-	-	3
____	____	Major Elective IIV	-	-	3
SUMMER SEMESTER					
SEC	289	Secuirty Capstone Project	1	4	3

GRADUATION REQUIREMENT	**Credit Hours**	**75**

See pages 2 and 3 for Elective lists

INFORMATION SYSTEMS SECURITY (A25270)
A.A.S. Degree (Evening)

PROGRAM PLANNING GUIDE

This is Page 2, which lists the General Education Electives

General Education Electives

Humanities and Fine Arts Electives
(choose 3 credit hours from the following courses)

Course No.		Course Title	Class Hrs	Lab Hrs	Credit Hrs
ART	111	Art Appreciation	3	0	3
DRA	111	Theatre Appreciation	3	0	3
HUM	115	Critical Thinking	3	0	3
MUS	110	Music Appreciation	3	0	3
PHI	240	Introduction to Ethics	3	0	3

Communications Electives
(choose 3 credit hours from the following courses)

Course No.		Course Title	Class Hrs	Lab Hrs	Credit Hrs
COM	120	Introduction to Interpersonal Communications	3	0	3
COM	231	Public Speaking	3	0	3
ENG	112	Writing/Research in the Discipline	3	0	3
ENG	113	Literature-Based Research	3	0	3
ENG	114	Professional Research & Reporting	3	0	3

Social and Behavioral Sciences Electives
(choose 3 credit hours from the following courses)

Course No.		Course Title	Class Hrs	Lab Hrs	Credit Hrs
ECO	151	Survey of Economics	3	0	3
ECO	251	Principles of Microeconomics	3	0	3
HIS	111	World Civilizations I	3	0	3
POL	110	Introduction to Political Science	3	0	3
PSY	118	Interpersonal Psychology	3	0	3
PSY	150	General Psychology	3	0	3
SOC	210	Introduction to Sociology	3	0	3
SOC	213	Sociology of the Family	3	0	3
SOC	220	Social Problems	3	0	3

INFORMATION SYSTEMS SECURITY (A25270)
A.A.S. Degree (Evening)

PROGRAM PLANNING GUIDE

This is Page 3, which lists the two groupings of Major Electives

Required Major Electives

Major Electives (select one Option grouping below)

Course No.		Course Title	Class Hrs	Lab Hrs	Credit Hrs
Option 1 - Cisco Certified Network Associate Security Track					
NET	225	Routing & Switching I	1	4	3
NET	226	Routing & Switching II	1	4	3
NET	270	Building Scalable Network	1	4	3
SEC	193	Secure Routing/Firewalls	1	4	3
Option 2 - Global Certified Windows Security Administrator (GCWN) Track					
NOS	230	Windows Admin I	2	2	3
NOS	231	Windows Admin II	2	2	3
NOS	232	Windows Admin III	2	2	3
NOS	233	Windows Admin IV	2	2	3
Option 3 - Redhat Certified Security Specialist Track					
NOS	220	Linux/UNIX Admin I	2	2	3
NOS	221	Linux/UNIX Admin II	2	2	3
NOS	222	Linux/UNIX Admin III	2	2	3
NOS	230	Windows Admin I	2	2	3
Option 4 - High Technology Criminal Investigations Diploma Track					
CCT	121	Computer Crime Investigations	3	2	4
CCT	240	Data Recovery Techniques	2	3	3
CTS	120	Hardware/Software Support	2	3	3
CTS	220	Advanced Hardware/Software Support	2	3	3

INFORMATION SYSTEMS SECURITY (A25270)
HIGH TECHNOLOGY CRIMINAL INVESTIGATIONS (D25270H)
Diploma (Day)

PROGRAM PLANNING GUIDE

Origination Date: April 2013

Course No.		Course Title	Class	Lab	Credits
Curriculum By Semester					
			Hours Per Week		
FIRST SEMESTER					
SEC	110	Security Concepts	2	2	3
NOS	110	Operating System Concepts	2	3	3
NET	125	Networking Basics	1	4	3
NET	126	Routing Basics	1	4	3
SECOND SEMESTER					
NOS	120	Linux/UNIX Single User	2	2	3
SEC	150	Secure Communications	2	2	3
CTS	115	Info Sys Business Concept	3	0	3
SUMMER SEMESTER					
ENG	111	Writing and Inquiry	3	0	3
THIRD SEMESTER					
CJC	111	Intro to Criminal Justice	3	0	3
SEC	160	Security Administration I	2	2	3
CCT	121	Computer Crime Investigations	3	2	4
CTS	120	Hardware/Software Support	2	3	3
FOURTH SEMESTER					
____	____	Communications Elective (min 3 cr hrs)	-	-	3
CCT	240	Data Recovery Techniques	2	3	3
CTS	220	Advanced Hardware/Software Support	2	3	3

GRADUATION REQUIREMENT   **Credit Hours   46**

INFORMATION SYSTEMS SECURITY (A25270)
CISCO SECURITY CERTIFICATE (C25270C)
CERTIFICATE (DAY, EVENING and ONLINE)

PROGRAM PLANNING GUIDE

Origination Date: April 2013

Curriculum By Semester				

Course No.	Course Title	Hours Per Week		Credits
		Class	Lab	
NET 225	Routing & Switching I	1	4	3
NET 226	Routing & Switching II	1	4	3
NET 270	Building Scalable Network	1	4	3
SEC 150	Secure Communications	2	2	3
SEC 193	Secure Routing/Firewalls	1	4	3

GRADUATION REQUIREMENT   **Credit Hours   15**

INFORMATION SYSTEMS SECURITY (A25270)
SYSTEMS SECURITY PRACTITIONER (C25270I)
CERTIFICATE (DAY, EVENING and ONLINE)

PROGRAM PLANNING GUIDE

Origination Date: April 2013

Curriculum By Semester				

Course No.		Course Title	Hours Per Week Class	Lab	Credits
NET	125	Networking Basics	1	4	3
NET	126	Routing Basics	1	4	3
SEC	160	Security Administration I	2	2	3
SEC	210	Intrusion Detection	2	2	3
SEC	220	Defense-In-Depth	2	2	3
SEC	289	Security Capstone Project	1	4	3

GRADUATION REQUIREMENT   **Credit Hours   18**

INFORMATION SYSTEMS SECURITY (A25270)
RED HAT SECURITY SPECIALIST (C25270R)
CERTIFICATE (DAY, EVENING and ONLINE)

PROGRAM PLANNING GUIDE

Origination Date: April 2013

Curriculum By Semester				

Course No.	Course Title	Class	Lab	Credits
		Hours Per Week		
SEC 150	Secure Communications	2	2	3
NOS 220	Linux/UNIX Admin I	2	2	3
NOS 221	Linux/UNIX Admin II	2	2	3
NOS 222	Linux/UNIX Admin III	2	2	3
NOS 230	Windows Admin I	2	2	3

GRADUATION REQUIREMENT   **Credit Hours   15**