

Cyber Security (A25590CS)

Program Planning Guides

2018 – 2019

Degrees

Cyber Security - *Day*

Cyber Security - *Evening*

Diploma

Hacking and Forensics – D25590HF

IT - Cyber Security (A25590CS)

A.A.S. Degree (Day)

PROGRAM PLANNING GUIDE

Realignment: Fall 2017 (Replaces A25270 - Information Systems Security Degree)

Courses taken more than 5 yrs. ago may not receive transfer credit. Consult your advisor for details.

Curriculum By Semester

			Hours Per Week		
			Class	Lab	Credits
FIRST SEMESTER					
CTI	110	Web, Programming and Database Foundations	2	2	3
CTI	120	Network and Security Foundations	2	2	3
ENG	111	Writing and Inquiry	3	0	3
MAT	143	Quantitative Literacy	2	2	3
NOS	110	Operating System Concepts	2	3	3

SECOND SEMESTER					
NET	125	Introduction to Networks	1	4	3
NET	126	Routing Basics	1	4	3
NOS	130	Windows Single User	2	2	3
NOS	230	Windows Admin I	2	2	3
SEC	110	Security Concepts	2	2	3

SUMMER SEMESTER					
NOS	120	Linux/UNIX Single User	2	2	3
		Humanities and Fine Arts Elective	-	-	3

THIRD SEMESTER					
CCT	121	Computer Crime Investigations	3	2	4
CCT	250	Network Vulnerabilities I	2	2	3
CTS	115	Info Sys Business Concepts	3	0	3
SEC	150	Secure Communications	2	2	3
SEC	160	Security Administration I	2	2	3

FOURTH SEMESTER					
CCT	240	Data Recovery Techniques	2	3	3
CCT	251	Network Vulnerabilities II	2	2	3
ENG	114	Professional Research and Reporting	3	0	3
		Major Elective	-	-	2
		Social and Behavioral Sciences Elective	-	-	3

SUMMER SEMESTER					
CTS	288	Professional Practices in IT	2	2	3
SEC	193	Selected Topic in Cyber Security	2	2	3

GRADUATION REQUIREMENT:

Credit Hours 72

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A.A.S. Degree (Day)

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General Education Electives					
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			Hours Per Week		
			Class	Lab	Credits

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

ART	111	Art 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

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

ECO	151	Survey of Economics	3	0	3
ECO	251	Principles of Microeconomics	3	0	3
POL	120	American Government	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

Required Major Electives					
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Minimum of 2 credit hours from the below courses

SEC	210	Intrusion Detection	2	2	3
WBL		Work Based Learning* (All numbers accepted)	-	20	2

* Work based education is an elective. Students must have approval from the Program Director and pre-register with the Work-Based Learning Office. The work may be done over any number of semesters, but the total elective credits must add up to a total of 2.

IT - Cyber Security (A25590CS)

A.A.S. Degree (Evening)

PROGRAM PLANNING GUIDE

Realignment: Fall 2017 (Replaces A25270 - Information Systems Security Degree)

Courses taken more than 5 yrs. ago may not receive transfer credit. Consult your advisor for details.

Curriculum By Semester

			Hours Per Week		
			Class	Lab	Credits
FIRST SEMESTER					
CTI	120	Network and Security Foundations	2	2	3
ENG	111	Writing and Inquiry	3	0	3
MAT	143	Quantitative Literacy	2	2	3
NOS	110	Operating System Concepts	2	3	3
SECOND SEMESTER					
NET	125	Introduction to Networks	1	4	3
NET	126	Routing Basics	1	4	3
SEC	110	Security Concepts	2	2	3
SUMMER SEMESTER					
CTI	110	Web, Programming and Database Foundations	2	2	3
NOS	120	Linux/UNIX Single User	2	2	3
THIRD SEMESTER					
NOS	130	Windows Single User	2	2	3
NOS	230	Windows Admin I	2	2	3
		Social and Behavioral Sciences Elective	-	-	3
FOURTH SEMESTER					
CTS	115	Info Sys Business Concepts	3	0	3
SEC	150	Secure Communications	2	2	3
SEC	160	Security Administration I	2	2	3
SUMMER SEMESTER					
		Humanities and Fine Arts Elective	-	-	3
ENG	114	Professional Research and Reporting	3	0	3
FIFTH SEMESTER					
CCT	121	Computer Crime Investigations	3	2	4
CCT	250	Network Vulnerabilities I	2	2	3
		Major Elective	-	-	2
SIXTH SEMESTER					
CCT	240	Data Recovery Techniques	2	3	3
CCT	251	Network Vulnerabilities II	2	2	3

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SUMMER SEMESTER					
CTS	288	Professional Practices in IT	2	2	3
SEC	193	Selected Topic in Cyber Security	2	2	3

GRADUATION REQUIREMENT:

Credit Hours 72

General Education Electives

			Hours Per Week		
			Class	Lab	Credits

Humanities and Fine Arts Electives

(choose 3 credit hours from the following courses)

ART	111	Art 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

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

ECO	151	Survey of Economics	3	0	3
ECO	251	Principles of Microeconomics	3	0	3
POL	120	American Government	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

Required Major Electives

Minimum of 2 credit hours from the below courses

SEC	210	Intrusion Detection	2	2	3
WBL		Work-Based Learning* (all numbers accepted)	-	20	2

* Work based education is an elective. Students must have approval from the Program Director and pre-register with the Work-Based Learning Office. The work may be done over any number of semesters, but the total elective credits must add up to a total of 2.

IT - Cyber Security (A25590CS)
Diploma
Hacking and Forensics (D25590HF)
(Day, Evening, and On-line)
PROGRAM PLANNING GUIDE

Realignment: Fall 2017 (Replaces D25270H - High Technology Criminal Investigations)

Courses taken more than 5 yrs. ago may not receive transfer credit. Consult your advisor for details.

Curriculum By Semester

			Hours Per Week		
			Class	Lab	Credits
FIRST SUMMER SEMESTER - PREREQUISITE PREPARATION					
CTI	110	Web, Programming and Database Foundations	2	2	3
CTI	120	Network and Security Foundations	2	2	3
NOS	110	Operating System Concepts	2	3	3
ENG	111	Writing and Inquiry	3	0	3

FALL SEMESTER					
CCT	121	Computer Crime Investigations	3	2	4
CCT	250	Network Vulnerabilities I	2	2	3
SEC	110	Security Concepts	2	2	3
NET	125	Networking Basics	1	4	3
NET	126	Routing Basics	1	4	3

SPRING SEMESTER					
CCT	240	Data Recovery Techniques	2	3	3
CCT	251	Network Vulnerabilities II	2	2	3
CTS	115	Info Sys Business Concept	3	0	3
NOS	120	Linux/UNIX Single User	2	2	3
SEC	150	Secure Communications	2	2	3

GRADUATION REQUIREMENT:

Credit Hours 43