Cybersecurity (A25590CS)
A.A.S. Degree (Full-Time)
PROGRAM PLANNING GUIDE

Date Revised: Fall 2025

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
FALL SEMESTER					
CTI	110	Web, Prog & Database Foundations	2	2	3
CTI	120	Network & Security Foundations	2	2	3
ENG	111	Writing and Inquiry	3	0	3
NOS	110	Operating System Concepts	2	3	3
SEC	110	Security Concepts	2	2	3
SPRING SEMESTER					
CSC	121	Python Programming	2	3	3
NET	125	Introduction to Networks	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
SUMMER SEMESTER					
		Mathematics Elective	-	-	3
NOS	125	Linux and Unix Scripting	2	2	3
FALL 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	160	Security Administration I	2	2	3
SPRING SEMESTER					
CCT	240	Data Recovery Techniques	2	3	3
CCT	251	Network Vulnerabilities II	2	2	3
CSC	227	Cloud Application Development	2	2	3
		English/Communications Elec	-	-	3
		Humanities/Fine Arts Elective	-	-	3
SUMMER SEMESTER					
		Social/Behavioral Sciences Elec	-	-	3
		Project Elective	-	-	2

GRADUATION REQUIREMENT: **Credit Hours**   69

General Education Electives

			Hours Per Week		
			Class	Lab	Credits

English and Communication Electives

(choose 3 credit hours from the following courses)

			Class	Lab	Credits
COM	110	Intro to Communications	3	0	3
COM	120	Intro to Interpersonal Communication	3	0	3
COM	231	Public Speaking	3	0	3

Humanities and Fine Arts Electives

(choose 3 credit hours from the following courses)

			Class	Lab	Credits
HUM	110	Technology and Society *	3	0	3
HUM	115	Critical Thinking *	3	0	3
PHI	240	Introduction to Ethics *	3	0	3

Mathematics Electives

(choose 3 credit hours from the following courses)

			Class	Lab	Credits
MAT	121	Algebra/Trigonometry I	2	2	3
MAT	143	Quantitative Literacy	2	2	3
MAT	152	Statistical Methods I	3	2	4
MAT	171	Precalculus Algebra *	3	2	4
MAT	172	Precalculus Trigonometry *	3	2	4
MAT	271	Calculus I *	3	2	4

Social and Behavioral Sciences Electives

(choose 3 credit hours from the following courses)

			Class	Lab	Credits
ECO	151	Survey of Economics	3	0	3
ECO	251	Principles of Microeconomics *	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

Project Elective

(choose 2 credit hours from the following courses)

			Class	Lab	Credits
CCT	280	Cloud Penetration Testing	2	2	3
SEC	285	Systems Security Project (Capstone)	1	4	3
WBL		Work Based Learning* (All WBL MJ codes accept	-	20	-

* Select these courses if you plan to transfer to a four year institution. Please verify with the receiving institution that they will accept these credits. ** Work based learning is an elective. WBL courses completed for one program may not count toward the completion of another program. For verification, please contact your academic advisor or your departmental WBL faculty coordinator. Students must have approval from the Program Director and pre-register with the Work-Based Learning Office. As an alternative to SEC-285, Work-Based Learning can be taken. The work may be done over any number of semesters.