INFORMATION TECHNOLOGY

CYBERSECURITY

Cybersecurity AAS Degree – A25590CS

-Day and Evening

The Cybersecurity degree prepares students for an IT career in digital forensics, network security services, and ethical hacking. Courses include routing and switching, network vulnerabilities, secure communications, system and security administration, data recovery, and computer investigations. Students will work in Microsoft, Linux, and Apple desktop and server operating system environments. Upon completion, students will be prepared for a variety of industry certifications, including: Certified Ethical Hacker, Certified Enterprise Defender, CCNA Security, and Security+.

Program Sequence

FALL SEMESTER

CTI	110	Web, Pgm, & Db Foundation	3
CTI	120	Network and Security Foundations	3
ENG	111	Writing and Inquiry	3
NOS	110	Operating Systems Concepts	3
SEC	110	Security Concepts	3

SPRING SEMESTER

NET	125	Introduction to Networks	3
NET	126	Routing Basics	3
NOS	120	Linux/UNIX Single User	3
NOS	130	Windows Single User	3
CSC	121	Python Programming	3

SUMMER SEMESTER

NOS	125	Linux and UNIX Scripting	3
___	___	Mathematics Elective	3

FALL SEMESTER

CCT	121	Computer crime Investigations	4
CCT	250	Network Vulnerabilities I	3
CTS	115	Info Sys Business Concepts	3
SEC	160	Security Administration I	3

SPRING SEMESTER

CCT	240	Data Recovery Techniques	3
CCT	251	Network Vulnerabilities II	3
CTS	285	Systems Analysis & Design	3
___	___	English and Comm Elective	3
___	___	Humanities and Fine Arts Elective	3

SUMMER SEMESTER

___	___	Social and Behavioral Sciences Elective	3
___	___	Project Elective	2

Graduation Requirements ..... 69 Credit Hours

English and Communication Electives
(Choose 3 credit Hrs)

ENG	111	Writing and Research in the Disciplines	3
COM	120	Intro to Interpersonal Communication	3
COM	231	Public Speaking	3

Humanities and Fine Arts Electives
(Choose 3 credit Hrs)

HUM	110	Technology and Society	3
HUM	115	Critical Thinking	3
PHI	240	Introduction to Ethics	3

Mathematics Electives
(Choose 3 credit Hrs)

MAT	121	Algebra/Trigonometry I	3
MAT	143	Quantitative Literacy	3
MAT	171	Precalculus Algebra	4
MAT	172	Precalculus Trigonometry	4
MAT	271	Calculus I	4

Social and Behavioral Sciences Electives
(Choose 3 credit Hrs)

ECO	151	Survey of Economics	3
ECO	251	Principles of Microeconomics	3
PSY	118	Interpersonal Psychology	3
PSY	150	General Psychology	3
SOC	210	Introduction to Sociology	3

Project Electives
(Minimum of 2 credit Hrs)

SEC	285	Systems Security Project (Capstone)	3
WBL	___	* Work-Based Learning	2

* 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. The work may be done over any number of semesters, but the total elective credits must add up to 3.