PROGRAMS

INFORMATION TECHNOLOGY - CYBER SECURITY

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

The IT: Cyber Security curriculum provides students with comprehensive knowledge and skills in information security, preparing them to protect data and systems from cyber threats. Coursework covers topics such as network security, database concepts, introduction to programming and logic, system analysis and design and Linux/UNIX single user. Students will learn to implement security measures, conduct vulnerability assessments, and respond to security incidents. The program emphasizes the importance of maintaining confidentiality, integrity, and availability of information, equipping graduates for roles such as security analysts, cybersecurity specialists, and information security managers in various industries.

Associate (A25590S)

Fall Semester 1		Lec	Lab	Clinic	Credit
ACA-115	Success & Study Skills	0	2	0	1
CCT-110	Introduction to Cyber Crime	3	0	0	3
CIS-110	Introduction to Computers	2	2	0	3
ENG-111	Writing and Inquiry	3	0	0	3
SEC-110	Security Concepts	2	2	0	3
				Total:	13

Spring Semester 1		Lec	Lab	Clinic	Credit
CTI-110	Web, Programming, and Database Foundation	2	2	0	3
CTI-120	Network and Security Foundation	2	2	0	3
DBA-110	Database Concepts	2	3	0	3
SEC-160	Security Administration I	2	2	0	3
MAT-143	Quantitative Literacy	2	2	0	3
				Total:	15

Summer Semester 1		Lec	Lab	Clinic	Credit	
Social &	Social & Behavioral Science Options Listed Below	3	0	0	3	
Behavioral Option						
Communications	Communications Options Listed Below	3	0	0	3	
Option						
				Total:	6	

Fall Semester 2			Lab	Clinic (Credit
CCT-240	Data Recovery Techniques	2	3	0	3
CIS-115	Introduction to Programming and Logic	2	3	0	3
CTI-140	Virtualization Concepts	1	4	0	3

Fall Semester 2		Lec	Lab	Clinic	Credit
CTS-115	Information Systems Business Concepts	3	0	0	3
CTS-120	Hardware/Software Support	2	3	0	3
				Total:	15

Spring Semester 2	2	Lec	Lab	Clinic	Credit
CCT-250	Network Vulnerabilities I	2	2	0	3
CTS-285	Systems Analysis & Design	3	0	0	3
NOS-120	Linux/UNIX Single User	2	2	0	3
NOS-130	Windows Single User	2	2	0	3
Humanities Option	Humanities and Fine Arts Options Listed Below	3	0	0	3
				Total:	15

Total Credit Hours: 64

Communications: Choose One of the following:		Lec	Lab	Clinic	Credit
COM-120	Intro to Interpersonal Communication	3	0	0	3
COM-231	Public Speaking	3	0	0	3
ENG-112	Writing and Research in the Disciplines	3	0	0	3

Social and Behavioral Sciences Choices for AAS Degree Programs Unless Otherwise Noted:			Lab	Clinic	Credit
ECO-251	Principles of Microeconomics	3	0	0	3
ECO-252	Principles of Macroeconomics	3	0	0	3
POL-120	American Government	3	0	0	3
PSY-150	General Psychology	3	0	0	3
SOC-210	Introduction to Sociology	3	0	0	3

Humanities/Fine Arts Choices for AAS Degree Programs Unless Otherwise Noted:		Lec	Lab	Clinic C	redit
ART-111	Art Appreciation	3	0	0	3
HUM-110	Technology and Society	3	0	0	3
HUM-115	Critical Thinking	3	0	0	3
MUS-110	Music Appreciation	3	0	0	3

Certificate (C25590S)

Fall Semester 1		Lec	Lab	Clinic (Credit
CCT-110	Introduction to Cyber Crime	3	0	0	3
SEC-110	Security Concepts	2	2	0	3
CIS-110	Introduction to Computers	2	2	0	3
				Total:	9

Spring Semester 1	Lec	Lab	Clinic (Credit
CTI-120 Network and Security Fou	on 2	2	0	3
SEC-160 Security Administration I	2	2	0	3
			Total:	6

Total Credit Hours: 15