

PROGRAMS

INFORMATION TECHNOLOGY

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.

This program will provide knowledge and skills essential for safeguarding sensitive information, critical systems, and digital infrastructure against cyber threats, thus playing a pivotal role in protecting organizations and individuals from potential cyber-attacks.

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 & Behavioral Option	Social & Behavioral Science Options Listed Below	3	0	0	3
Communications Option	Communications Options Listed Below	3	0	0	3
				Total:	6

Fall Semester 2

		Lec	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
CTS-115	Information Systems Business Concepts	3	0	0	3
CTS-120	Hardware/Software Support	2	3	0	3
				Total:	15

Spring Semester 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:

		Lec	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	Credit
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

Associate (A25590DM)

Fall Semester 1

		Lec	Lab	Clinic	Credit
ACA-115	Success & Study Skills	0	2	0	1
CIS-110	Introduction to Computers	2	2	0	3
CTS-120	Hardware/Software Support	2	3	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

Spring Semester 1

		Lec	Lab	Clinic	Credit
DBA-110	Database Concepts	2	3	0	3
NOS-120	Linux/UNIX Single User	2	2	0	3
CTS-130	Spreadsheet	2	2	0	3
				Total:	15

Summer Semester 1

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

Fall Semester 2

		Lec	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
CTS-115	Information Systems Business Concepts	3	0	0	3
MAT-143	Quantitative Literacy	2	2	0	3
				Total:	15

Spring Semester 2

		Lec	Lab	Clinic	Credit
CTS-250	User Support & Software Evaluation	2	2	0	3
CTS-285	Systems Analysis & Design	3	0	0	3
NOS-130	Windows Single User	2	2	0	3
DBA-120	Database Programming I	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:

		Lec	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	Credit
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

Diploma (D25590)

Fall Semester 1

		Lec	Lab	Clinic	Credit
CCT-110	Introduction to Cyber Crime	3	0	0	3
CIS-110	Introduction to Computers	2	2	0	3
CIS-115	Introduction to Programming and Logic	2	3	0	3
CTS-120	Hardware/Software Support	2	3	0	3
SEC-110	Security Concepts	2	2	0	3
Communication Option	Communication Options Listed Below	3	0	0	3
Total:					18

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
NOS-120	Linux/UNIX Single User	2	2	0	3
NOS-130	Windows Single User	2	2	0	3
SEC-160	Security Administration I	2	2	0	3
Total:					18

Summer Semester 1

		Lec	Lab	Clinic	Credit
MAT-143	Quantitative Literacy	2	2	0	3
Humanities Option	Humanities and Fine Arts Options Listed Below	3	0	0	3
Total:					6

Total Credit Hours: 42

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-110	Freshman Composition	3	0	0	3
ENG-111	Writing and Inquiry	3	0	0	3

Humanities/Fine Arts Choices for AAS Degree Programs Unless Otherwise Noted:

		Lec	Lab	Clinic	Credit
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

Certificates

Cyber Security 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
				Total:	6

Spring Semester 1

		Lec	Lab	Clinic	Credit
CTI-120	Network and Security Foundation	2	2	0	3
NOS-120	Linux/UNIX Single User	2	2	0	3
SEC-160	Security Administration I	2	2	0	3
				Total:	9

Total Credit Hours: 15

