

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.

Course work includes development of a student's ability to create, store, communicate, exchange, and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security, and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Associate in Applied Science Degree (AAS) Information Technology (A25590)

Fall Semester 1		Lec	Lab	Clinic	Credit
ACA-115	Success and Study Skills	0	2	0	1
CCT-110	Introduction to Cyber Crime	3	0	0	3
CIS-111	Basic PC Literacy	1	2	0	2
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:					15

Spring Semester 1		Lec	Lab	Clinic	Credit
CTI-110	Web, Pgm, and Db Foundation	2	2	0	3
CTI-120	Network and Sec Foundation	2	2	0	3
DBA-110	Database Concepts I	2	2	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
COM-120	Intro to Interpersonal Communication	3	0	0	3
or COM-231	Public Speaking	3	0	0	3
or ENG-112	Writing/Research in Disciplines	3	0	0	3
MAT-143	Quantitative Literacy	2	2	0	3
	Social and Behavioral Sciences	3	0	0	3
Total:					9

Fall Semester 2		Lec	Lab	Clinic	Credit
CCT-240	Data Recovery Techniques	2	3	0	3
CIS-115	Intro to Programming and Logic	2	3	0	3
CTI-140	Virtualization Concepts	1	4	0	3
CTS-115	Info Sys Business Concepts	3	0	0	3
CTS-240	Project Management	2	2	0	3
NOS-230	Windows Administration I	2	2	0	3
				Total:	18

Spring Semester 2		Lec	Lab	Clinic	Credit
CCT-250	Network Vulnerabilities I	2	2	0	3
CTS-250	User Support & Software Eval	2	2	0	3
CTS-285	Systems Analysis & Design	3	0	0	3
	Humanities/Fine Arts	3	0	0	3
WBL-111	Work-Based Learning	0	10	0	1
WEB-210	Web Design	2	2	0	3
				Total:	16

Total Credit Hours: 76

Information Technology Diploma (D25590)

Fall Semester 1		Lec	Lab	Clinic	Credit
CCT-110	Introduction to Cyber Crime	3	0	0	3
CIS-111	Basic PC Literacy	1	2	0	2
CIS-115	Intro to Programming and Logic	2	3	0	3
COM-120	Intro to Interpersonal Communication	3	0	0	3
or COM-231	Public Speaking	3	0	0	3
or ENG-111	Writing and Inquiry	3	0	0	3
CTS-120	Hardware/Software Support	2	3	0	3
SEC-110	Security Concepts	2	2	0	3
				Total:	17

Spring Semester 1		Lec	Lab	Clinic	Credit
CTI-110	Web, Pgm, and Db Foundation	2	2	0	3
CTI-120	Network and Sec Foundation	2	2	0	3
DBA-110	Database Concepts I	2	2	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/Fine Arts	3	0	0	3
				Total:	6

Total Credit Hours: 41

Information Technology-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 Sec 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

Information Technology-Technician Certificate (C25590T)

Fall Semester 1

		Lec	Lab	Clinic	Credit
CTS-120	Hardware/Software Support	2	3	0	3
					Total: 3

Spring Semester 1

		Lec	Lab	Clinic	Credit
CTI-110	Web, Pgm, and Db Foundation	2	2	0	3
CTI-120	Network and Sec Foundation	2	2	0	3
NOS-120	Linux/UNIX Single User	2	2	0	3
NOS-130	Windows Single User	2	2	0	3
					Total: 12

Total Credit Hours: 15