

Recommended Sequence of Courses First Semester

CPT 102	Basic Computer Concepts	3
CPT 209	Computer Systems Management	3
CPT 210	Computer Resource Management	3
IST 220	Data Communications	3
	Tota	12

Second Semester

IST 161	Introduction to Network	
	Administration	3
IST 166	Network Fundamentals	3
IST 190	Linux Essentials	3
IST 293	IT and Data Assurance I	3
		Total 12

Cybersecurity

Certificate in Applied Science Credit Requirements: 30 Semester Credit Hours

This certificate program is designed for individuals who have experience or training in systems and network operations. It is designed to provide expertise in information assurance and cybersecurity to prepare you for employment in the fast growing field of cybersecurity. It is ideal if you are employed or are pursuing employment in a business that includes a cybersecurity workforce as part of the organization. This program presents the knowledge and skills needed to develop and implement security of systems and infrastructure in business and industry. This program will help you prepare for COMPTIA Linux+, Security +, EC-Council Certified Ethical Hacking, as well as a number of other certification exams.

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test.

Recommended Sequence of Courses First Semester

CPT 282	Information Systems Security	3
IST 165	Implementing and Administer	ring
	Windows Directory Services	3
IST 190	Linux Essentials	3
IST 268	Computer Forensics	3
IST 293	IT and Data Assurance I	3
		Total 15

Second Semester

IST 191	Linux Systems Administration	3
IST 291	Fundamentals of Network Security I	3
IST 294	IT and Data Assurance II	3
IST 269	Digital Forensics	3
IST 292	Fundamentals of Network Security II	3
	Total 15	5

Database Administrator

Certificate in Applied Science Credit Requirements: 18 Semester Credit Hours

This certificate prepares students for employment with companies looking for database professionals. Starting with a basic computer class, students progress course by course to a skill level where they can work in any database environment. The curriculum uses both MS Access and SQL Server to teach students how to design, build, manipulate and maintain business database management systems.

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test.

Recommended Sequence of Courses First Semester

CPT 102	Basic Computer Concepts	3
CPT 114	Computers and Programming	3
or		
CPT 167	Introduction to Programming Logic	3
CPT 172	Microcomputer Database	3
	Tota	9

Second Semester

CPT 242	Database	3
		Total 3

Third Semester

		Total 6
IST 274	Database Administration	3
IST 272	Relational Database	3

Enterprise Network Administrator

Certificate in Applied Science Credit Requirements: 27 Semester Credit Hours

This program prepares you for network technician jobs. It is designed for students who are employed in businesses that use or plan to use a computer network and need on-site primary support.