Recommended Sequence of Courses
First Semester

ACC 111	Accounting Concepts	3
ACC 150	Payroll Accounting	3
CPT 101	Introduction to Computers	3
ENG 101	English Composition I	3
		Total 12

Second Semester

ACC 102	Accounting Principles II	3
ACC 112	Organizational Accounting	3
ACC 124	Individual Tax Procedures	3
ACC 240	Computerized Accounting	3
ACC 245	Accounting Applications	3
		Total 15

Business Information Systems

Certificate in Applied Science
Credit Requirements: 24 Semester Credit Hours

This certificate program provides a broad overview of software, database management and application packages. Emphasis is placed on information systems used in the business environment. Students gain general competency in using microcomputers for management and decision making.

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 – Fall

CPT 102	Basic Computer Concepts	3
CPT 172	Microcomputer Database	3
CPT 179	Microcomputer Word Processing	3
		Total 9

Second Semester – Spring

CPT 174	Microcomputer Spreadsheets	3
BUS 210	Introduction to e-Commerce in Business	3
MGT 230	Managing Information Resources	3
		Total 9

Third Semester – Summer

CPT 270	Advanced Microcomputer Applications	3
MGT 240	Management Decision Making	3
		Total 6

Cisco Certified Network Associate

Certificate in Applied Science
Credit Requirements: 15 Semester Credit Hours

This program is delivered by TTC in its role as a Cisco Networking Academy and prepares students for entry-level jobs in companies with TCP/IP networks. Students learn the fundamentals of networking and internetworking, basic router and switch configuration, and troubleshooting in a diverse learning environment that includes instructor-led, web-based and hands-on lab settings.

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test. The program qualifies students to pursue a number of industry-standard certifications, including the Cisco Certified Entry Network Technician (CCENT) and Cisco Certified Network Associate (CCNA).

Recommended Sequence of Courses
First Semester

IST 201	Cisco Internetworking Concepts	3
IST 202	Cisco Router Configuration	3
IST 220	Data Communications	3
		Total 9

Second Semester

IST 203	Advanced Cisco Router Configuration	3
IST 204	Cisco Troubleshooting	3
		Total 6

CompTIA Systems Specialist

Certificate in Applied Science
Credit Requirements: 24 Semester Credit Hours

This program teaches students to properly install, configure, upgrade, troubleshoot and repair microcomputer hardware. Students also learn basic installation and troubleshooting knowledge of DOS/Windows. Basic knowledge of networking technology and practices is covered. This program helps prepare students for the Comp TIA Security+, A+, Network+ and Linux+ 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 102	Basic Computer Concepts	3
CPT 209	Computer Systems Management	3
CPT 210	Computer Resource Management	3
IST 220	Data Communications	3
	Total	**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 Administering 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**

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
	Total	**9**

Second Semester

CPT 242	Database	3
	Total	**3**

Third Semester

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

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.