

INFORMATION TECHNOLOGY A 25590

(CERTIFICATES)

ENTRY LEVEL PC TECHNICIAN'S CERTIFICATE C25590PC

The Information Technology certificate curriculum prepares students for specialized employment in the technology sector.

Course work covers basic hardware of a personal computer, including installation, operations and interactions with software. Topics include component identification, memory-system, peripheral installation and configuration, preventive maintenance, hardware diagnostics/repair, installation and optimization of system software, commercial programs. System configuration and device drivers.

Course Requirements

First Year

Fall Semester

CIS 110	Introduction to Computers	3
CTI 120	Network & Security Foundations	3
NOS 130	Windows Single User	3

Spring Semester

CTS 120	Hardware/Software Support	3
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Credit Hours 12

CYBERSECURITY SPECIALIST CERTIFICATE C25590 CS

The Information Technology (IT) certificate curriculum prepares graduates for employment in the technology sector.

Course work includes networking and security concepts and introduction to computers. It is a recommended starting place for students who want to pursue a career in Information systems security. The courses offered in this program could help students prepare for a variety of entry-level industry certifications such as CompTIA Security+

Upon completion, students should be able to plan, implement or monitor security measures for the protection of computer networks and information.

Course No	Course Title	Credits
CIS 110	Introduction to Computers	3
CTI 120	Network & Security Foundations	3
NET 125	Introduction to Networks	3
SEC 110	Security Concepts	3

DATA SPECIALIST CERTIFICATE C25590 DS

The Information Technology data specialist certificate prepares graduates for employment in the technology sector as data specialists or analysts who use computer software and/or hardware to design, process, implement and manage information systems in specialties such as database services

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, network systems, programming and software development, spreadsheets, and other emerging technologies based on the selected area of study. Students will analyze a client's existing systems and create a program suitable for that specific system, design a database or software program needed to convert data.

First Year

Fall Semester

CTI 110	Web, Programming & Database Foundation	3
DBA 110	Database Concepts	3

Spring Semester

CIS 115	Introduction to Programming & Logic	3
CTS 115	Information Systems Business Concepts	3
CTS 130	Spreadsheets 1	3

Credit Hours 15

WEB DEVELOPMENT CERTIFICATE C25590 WD

The Information Technology (IT) certificate curriculum prepares graduates for employment in the technology sector.

Course work covers web design using various languages such as HTML, designing of web graphics to enhance websites, and topics on optimizing websites for marketing purposes. Graduates would be ready for work as web designers, website administrators, and web developers.

Course No	Course Title	Credits
First Year		
Fall Semester		
CTI 110	Web, Programming & Database Foundation	3
WEB 110	Internet/Web Fundamentals	3
Spring Semester		
WEB 120	Introduction to Multimedia	3
WEB 140	Web Development Tools	3
		Credit Hours 12