Technical and Vocational Programs

A 25 59 0 SA Information Technology: Systems Administration and Support – Associate in Applied Science

C 25 59 0 SA Computer Upgrade and Repair Technician Certificate

CONCENTRATION OVERVIEW

The Information Technology: Systems Administration and Support curriculum prepares graduates for employment opportunities in electronics technology, computer service, computer networks, systems administration and server maintenance.
Students will gain knowledge and skills to install, service and maintain computers, peripherals, networks and computer- controlled equipment.
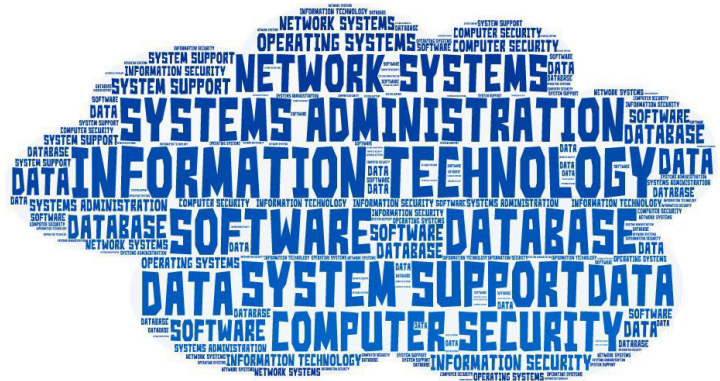Upon completion, students will be able to solve technical issues related to information support and services, interactive media, network systems, information security and other emerging technologies.

Upon completion of this concentration, 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.

Student Learning Outcomes – Upon completion of the program, students will:

1. Demonstrate the ability to analyze the needs of a system administration or database project and identify, install, and configure appropriate hardware and/or software to implement the project.
2. Communicate concentration-related material effectively, both written and oral, with a range of audiences
3. Identify methods to evaluate digital content for validity and usefulness.

Partnership: N/A

C 25 59 0 SA Computer Upgrade and Repair Technician Certificate

First Semester Course Number and Title	Pre-Requisites and Co-Requisites	Class Hours	Lab Hours	Clinical Hours	Total Contact Hours	Total Credit Hours
CIS 110 Introduction to Computers OR CIS 111 Basic PC Literacy	Pre-Requisites for CIS 111: None Pre-Requisites for CIS 110: ENG 002 Tier 1 and MAT 003 Tier 1	1-2	2		3-4	2-3
CTI 110 Web, Programming, Database Foundations	Pre-Requisites: None	2	2		4	3
CTS 120 Hardware/Software Support	Pre-Requisites: CIS 110 or CIS 111	2	3		5	3
TOTAL SEMESTER HOURS						**5-6**

Second Semester Course Number and Title	Pre-Requisites and Co-Requisites	Class Hours	Lab Hours	Clinical Hours	Total Contact Hours	Total Credit Hours
CTI 120 Network & Sec Foundation	Pre-Requisites: CIS 110 or CIS 111	2	2		4	3
NOS 110 Operating Systems Concepts	Pre-Requisites: CIS 110 or CIS 111	2	3		5	3
CTS 220 Adv Hardware/Software Support	Pre-Requisites: CTS 120	2	3		5	3
TOTAL SEMESTER HOURS						**9**
TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE						**14-15**