Program Planning Guide
Computer Hardware/Troubleshooting Repair Certificate (C25590HT)

Program Length: 2 semesters
Career Pathway Options: Information Technology Associate in Applied Science Degree
Program Site/s: Lee Main Campus-Day & Evening Programs

Suggested Course Schedule:

		Hours				Notes:
		Class	**Lab**	**Clinical**	**Credit**	
1st Semester (Fall)						
CTS 120	Hardware/Software Support	2	3	0	3	
NOS 130	Windows Single User	2	2	0	3	
		4	5	0	6	
2nd Semester (Spring)						
CTI 120	Network and SEC Foundation	2	2	0	3	
CTS 220	Advanced Hard/Software Support	2	3	0	3	
		4	5	0	6	

Course Descriptions:

CTI 120   Network & Sec Foundation   2-2-3
This course introduces students to the Network concepts, including networking terminology and protocols, local and wide area networks, and network standards, Emphasis is placed on securing information systems and the various implementation policies. Upon completion, students should be able to perform basic tasks related to networking mathematics, terminology, media and protocols.

CTS 120   Hardware/Software Support   2-3-3
This course covers the 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. Upon completion, students should be able to select appropriate computer equipment and software, upgrade/maintain existing equipment and software, and troubleshoot/repair non-functioning personal computers.

CTS 220   Advanced Hardware/Software Support   2-3-3
Prerequisite: CTS 120
This course provides advanced knowledge and competencies in hardware and operating system technologies for computer technicians to support personal computers. Emphasis is placed on configuring and upgrading; diagnosis and troubleshooting; as well as preventive maintenance of hardware and system software. Upon completion, students should be able to install, configure, diagnose, perform preventive maintenance, and maintain basic networking on personal computers.

NOS 130   Windows Single User   2-2-3
This course introduces operating system concepts for single-user systems. Topics include hardware management, file and memory management, system configuration/ optimization, and utilities. Upon completion, students should be able to perform operating systems functions at the support level in a single-user environment.