The Computer and Network Security Specialist program is comprised of 130 instructional hours covering installation, configuration, troubleshooting, maintenance, and security of computer hardware, software, operating systems, peripherals, cabling, and networks. This program helps you prepare for three highly recognized IT professional certifications: CompTIA A+, CompTIA Network+, and CompTIA Security+. Exam vouchers for certification exams, courseware and test preparation tools are included in the fees.

Career Notes:

As the IT industry creates new jobs at record rates, there is an observed shortage of computer networking and security professionals with skills in system security, network infrastructure, cryptography, assessments and audits. Training from this program can lead to a wide variety of entry level opportunities in IT and the security skills learned through this program can provide access to more interesting and diverse career opportunities.

Prerequisites:

Basic knowledge of computing and networking concepts, including the difference between hardware and software, the functions of software, such as an operating system, applications, the Internet and file systems.

Requirements:

- **LAP8020** CompTIA A+ Computer Technician
- **LAP8021** CompTIA Network+
- **LAP8022** CompTIA Security+

Course Descriptions:

LAP8020 CompTIA A+ Computer Technician (48 Hours)
Provides hands-on training in PC installation, building, upgrading, repairing, configuring, and troubleshooting. Covers operating systems, electricity and power systems, CPUs, motherboards, memory, bus structures, expansion cards, ports, connectors, cables, storage devices, multimedia devices, printers, and portable devices. Networking technologies and connections are also focused upon along with personal security and IT professional best practices. Prepares for two certification exams: CompTIA A+ 220-901 which covers the fundamentals of computer technology, installation and configuration of PCs, laptops and related hardware. The second CompTIA A+ exam 220-902 covers the skills required to install and configure PC operating systems as well as configuring common features for mobile operating systems.

LAP8021 CompTIA Network+ (42 Hours)
Provides hands-on training in networking technologies and communication methods, media and hardware, network implementation, TCP/IP addressing and services deployed on a TCP/IP network, protocols and data delivery. Other topics include: LAN, WAN Infrastructure, transmission and connectivity, voice over data transmissions, Virtual LANs, remote and virtual private networking, VPN protocols, system and network security concepts, network management and troubleshooting. Prepares for the CompTIA Network+ N10-006 certification exam. Recommended Preparation: CompTIA A+ training or equivalent experience.

LAP8022 CompTIA Security+ (40 Hours)
Learn to implement and monitor security on networks, applications, and respond to security breaches. Provides instruction on systems security, network infrastructure, access control, risk mitigation, cryptography, server security, encryption, disaster recovery and organizational security. Covers network vulnerabilities, risk assessments, network security tools, authentication, rights and privileges. Prepares for the CompTIA Security + SY0-401 certification exam. Recommended Preparation: CompTIA Network+ training or equivalent experience