

Computers and Networking Technology

The Computers and Networking Technology A.S. Degree and mini-certificates (Level I & II) prepare students to become computer and networking service technicians. The program provides foundations in basic electricity and electronics, operating systems, and computer service and troubleshooting, as well as more advanced training in networks, servers, and security. Students develop skills in installation, software configuration, maintenance, operation, and the troubleshooting and repair of computers and associated networking software and hardware. Students will become fully prepared to take the A+, Network+, Server+, and Security+ certification tests sponsored by CompTIA and offered at testing centers throughout the country. These industry certifications are recognized worldwide as benchmarks for the computer and networking technician. Further, students will have requisite skills upon which to seek additional I.T. certifications available for the computer and networking fields.

The major consists of 42.5 semester units of required courses, comprising 612 hours of classroom instruction and 432 hours of laboratory work. Students will receive specialized training on the following hardware and software:

- *Pentium II, III, and IV PCs
- *Servers and Workstations
- *Bridges, Routers, Switches and Repeaters
- *Network Interface Cards
- *Hubs and Gateways
- *Uninterruptible Power Supplies
- *Laser & Inkjet Printers
- *Multimedia sound cards
- *Network Analyzer (Fluke)
- *Cable/DSL routers
- *Operating systems: DOS, Windows 9X, Windows Millennium, Windows NT/2000, Windows XP, and Windows 2003 Server
- *Wireless Networks.
- *Modems
- *Patch Panels
- *LAN Toolkits
- *Cisco Routers
- *Print Servers
- *DVD/RW
- *CD/RW
- *RAID controllers
- *Firewalls
- *Dual CPU motherboards

A course in customer service training is provided to help meet the needs of service technicians working with customers.

Excluding textbooks, fees for a full-time student taking 12 units are \$371 per semester; state funding covers all other costs. Financial aid is available for those who qualify.