

# COMPUTER AND NETWORKING TECHNOLOGY (CNET)

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## **CNET 50 Personal Computer (PC) Servicing**

**4 Units** (Degree Applicable)

Lecture: 54 Lab: 54

Personal computer (PC) and peripheral servicing techniques, preventative maintenance, hardware configurations, software configurations, software diagnostics, and the use of test equipment.

## **CNET 52 PC Operating Systems**

**4 Units** (Degree Applicable)

Lecture: 54 Lab: 54

**Advisory:** CNET 50

Current operating systems required for A+ and Network+ Certification and general computer servicing. Includes: identification of major components, installation, configuration, upgrading, and troubleshooting.

## **CNET 54 PC Troubleshooting**

**4 Units** (Degree Applicable)

Lecture: 54 Lab: 54

**Advisory:** CNET 50

Personal computer (PC) servicing. Includes isolating, identifying, and repairing specific problems in the computer environment at the hardware level. Prepares students for the A+ Certification Exam.

## **CNET 56 Computer Networks**

**4 Units** (Degree Applicable)

Lecture: 54 Lab: 54

**Advisory:** CNET 54

Standards, terminology, design, implementation, and troubleshooting techniques as they relate to both local and wide area networks. Emphasis on hardware and software components, network architecture, and data transmission methods. Of special interest to computer and network technicians and those seeking certification in A+, Network+, or other certifications.

## **CNET 58 Server Systems**

**4 Units** (Degree Applicable)

Lecture: 54 Lab: 54

**Advisory:** CNET 56

Server systems, both physical and virtual. Server installation, configuration, and management. Includes hardware and software components, virtual server configurations, troubleshooting techniques using flow charts and diagnostic tools, and disaster recovery concepts. Emphasis on hardware components. Covers the core material needed for the Server+ Certification. Software content in this course is covered only to the extent that is required for hardware troubleshooting, repair and implementation per CompTIA.

## **CNET 60 A+ Certification Preparation**

**2 Units** (Degree Applicable)

Lecture: 36

**Advisory:** CNET 50 and CNET 52

Prepares the student and qualified computer technician for the A+ certification examination. All aspects of the A+ Essentials and A+ Practical Application test modules will be stressed through both lecture review and test simulation software.

## **CNET 62 Network+ Certification Preparation**

**2 Units** (Degree Applicable)

Lecture: 36

**Advisory:** CNET 56

Prepares the student or A+ certified technician for the Network+ (Net+) certification examination. Includes Open System Interconnection (OSI) model, Transmission Control Protocol/Internet Protocol (TCP/IP), and implementing, installing, maintaining, and supporting networks.

## **CNET 64 Server+ Certification Preparation**

**2 Units** (Degree Applicable)

Lecture: 36

**Advisory:** CNET 58

Prepares the computer/network service technician for the CompTIA Server + certification examination.

## **CNET 66 Security+ Certification Preparation**

**2 Units** (Degree Applicable)

Lecture: 36

**Advisory:** CNET 54 and CNET 56

Prepares the computer/network service technician for the CompTIA sponsored Security+ Certification examination. Security information is covered only as it pertains to enabling the service technician to troubleshoot a computer system that may have a security problem.