CCNT COURSE	£300.00

Course Format: Paper Based with CD Rom **Approximate Study Time: 200 Hours**

Spread the payments for this course over 4 monthly payments.
1 initial payment of £150, followed by 3 monthly payments of £50

The TIA (Telecommunications Industry Association) **Certificate in Convergent Network Technologies (CCNT)** program validates that an individual has the core knowledge required to sell and support convergence services. With the CCNT certificate, individuals demonstrate knowledge of data and telecommunications technologies, thus enhancing career potential and building confidence. It also provides an industry-valued, knowledge-based credential that is sponsored by the TIA.

The following 6 course books are supplied. Each course book corresponds to an online exam module you must pass to become CCNT Certified.

- **Basic Telecommunications** - analog and digital concepts; telecommunications fundamentals such as networks, business communications systems, signaling, Internet telephony and switching.
- **Basic Data Communications** - network architecture, packet switching, fiber optics, and data communication channels and devices.
- **Computer Telephone Integration (CTI) Essentials** - dynamics of connecting a computer to a telephone system for routing calls through switches; applications, architecture and system development.
- **Local Area Networks (LANs)** - concepts and technology of LAN topologies, information transfer, transmission techniques, media standards and network management.
- **Broadband Technologies** - transmitting multiple signal types simultaneously by way of divided channels; voice and data integration, frame relay, SONET, ATM/cell relay, SMDS, BISDN, DSL and VPN.
- **Voice over IP (VoIP) Essentials** - Internet transmission of voice and fax; VoIP networks, bandwidth compression, the Gateway, packet prioritization, RSVP, H.320 and H.323, and WAN engineering issues.

You will Receive the following course books:

- **Basic Telecommunications**

Basic Telecommunications explores analog and digital concepts and introduces telecommunications basics such as networks, business communications systems, signaling, Internet telephony, and switching.

Topics Include: Overview, Customer Premise Equipment (CPE), Services, Analog Concepts, Digital Concepts, Networks, Transmission, Signaling, Switching and Application Analysis.

- **Basic Data Communications**

Basic Data Communications builds a student's knowledge of related software and hardware and introduces the technology of network architecture, packet-switching, fiber optics, data communications channels, and data communication devices.

Topics Include: Overview, Networks, Transmission Principals and Communications Equipment.

- **Computer – Telephone Integration (CTI) Essentials**

Computer – Telephone Integration (CTI) Essentials introduces the dynamics of connecting a computer to a telephone system for routing calls through switches. This program also teaches the technology of applications, architecture, and system development.

Topics Include: What is CTI? CTI Architecture, CTI Applications by Market and Developing CTI Systems.

- **Local Area Networks (LANs)**

Local Area Networks (LANs) presents the concepts and technology of LAN topologies. Students will learn about Bus, Ring, Tree, Star Mesh and Wireless topology and information transfer technologies. Students will also be introduced to transmission techniques, including baseband, broadband, fiber optic and wireless techniques, as well as transmission media. LAN standards, LAN components, and advanced LAN technologies will also be addressed.

Topics Include: Overview, Topologies, Information Transfer, Transmission Techniques, Transmission Media Overview, LAN Components, Network Management and Advanced LAN Technologies.

- **Broadband Technologies**

Broadband Technologies discusses the need for transmitting more than one type of signal simultaneously by way of divided channel, and then explore the technology of voice and data integration, frame relay, SONET, ATM/cell relay, SMDS, BISDN, ADSL, and VPN.

Topics Include: Overview, SONET, SS7, Frame Relay, Cell Relay, SMDS, ATM, DSL, Wireless Broadband and VPN.

- **Voice Over IP (VoIP) Essentials**

Voice Over (VoIP) Essentials teaches the principles of transmitting voice calls and fax over the Internet and explore VoIP networks, bandwidth compression, the gateway, packet prioritization, RSVP, H.320 and H.323, and WAN engineering issues.

Topics Include: Overview, Gateway, Bandwidth Consumption, Quality of Service (QoS) issues, PC Phones and Standards.

Exam:

CCNT fulfills the needs of companies within the communications industry by presenting broad educational convergence training required for sales and support professionals. The CCNT certificate exam is an un-proctored, open-book program consisting of approximately 450 questions in six tests. Students who successfully complete the six-module test will receive a TIA CCNT credential certificate.

Test candidates have up to three attempts to pass each of the six modules, section by section. The first attempt, which must be taken in its entirety before any single section may be retaken, can be used as a pre-exam assessment to identify current knowledge, strengths and weaknesses for more focused study. Students may test out of individual sections during the pre-exam assessment. The exam can be exited at any time. Upon re-accessing the exam, candidates will be taken back to the exact exit point.

CCNT certificate testing is administered online at www.TelecomPREP.com. Upon successfully passing the six module tests, the user earns a CCNT Certificate of Completion from the TIA and can then display the CCNT logo on business cards.

The TIA CCNT exams are prices at approximately £55 for all 6 tests or you can purchase them individually for approximately £14 per test.