

CCNT COURSE (PAPER-BASED COURSE)



The **CCNT (Certificate in Convergent Network Technologies) Course** validates that an individual has the core knowledge required to sell and support convergence services.

The convergence of telecommunications and data networks is happening at a rapid pace, and IT professionals are increasingly expected to understand both voice and data technologies. In response to this need, the Certified in Convergent Network Technologies (CCNT) program has been developed.

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.

We offer the official CCNT Course materials in both Paper-Based and Online formats.

TIA (Telecommunications Industry Association) have created the CCNT syllabus for entry-level convergence professionals to prove their proficiency in integrated data, voice and video technologies.

CCNT fulfils the needs of companies within the communications industry by presenting broad educational convergence training required for sales and support professionals.

Benefits of TIA CCNA Certification:

- The CCNT certificate is geared toward anyone who wants to remain current in the data and telecommunications industries, including network administrators and engineers; telecommunications sales professionals, engineers and consultants; and telecommunications and data communications instructors. CCNT is also well suited to anyone taking advanced vendor-neutral or product-specific certificate programs.
- With the CCNT certificate, you can prove competency in data and telecommunications technologies, enhance career potential, and build confidence.
- Because the CCNT certificate program develops and certifies work-ready skills, it can be used as an employee-screening tool. It also provides an industry-valued, competency-based credential that is sponsored by the TIA.

About the Telecommunications Industry Association (TIA)

The Telecommunications Industry Association (TIA) is the leading trade association representing the global information and communications technology (ICT) industries through standards development, government affairs, business opportunities, market intelligence, certification and world-wide environmental regulatory compliance. With support from its 600 members, TIA enhances the business environment for companies involved in telecommunications, broadband, mobile wireless, information technology, networks, cable, satellite, unified communications, emergency communications and the greening of technology. TIA is accredited by ANSI.

Price:
£300.00

Instalment Options:
You can spread the payments for this course over 4 monthly payments. 1 initial payment of £150.00, followed by 3 monthly payments of £50.00.

Course Format:
6 Course Books

Assessment:
6 CCNT Online Tests

Approximate Study Time:
200 Hours of Self Study

Students will receive the following 6 official CCNT course books:

➤ **Basic Telecommunications Course Book**

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 Course Book**

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 Principles and Communications Equipment.

➤ **Computer – Telephone Integration (CTI) Essentials Course Book**

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) Course Book**

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 Course Book**

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 Course Book**

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.

Pre-Requirements:

There are no recommended pre-requisites for completing this course although students may find it useful to complete the A+ Certification Course and experience of Networks and Networking equipment may be beneficial but this is not a requirement.

Course Duration & Support:

Students may register at any time. The courses are designed as self-study courses but if you have any problems you can email our email support. As the course is self study you can complete in as little or as long a time as you prefer, and we do not impose a cut-off date for study.

Assessment:

The CCNT exam consists of six (6) separate competency tests. These tests can be taken independently of one another, allowing you to prepare for each test individually. The CCNT certificate program requires that you become familiar with all six (6) competency areas.

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.

Qualification:

CCNT certificate testing is administered online at <http://www.ccntonline.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.

You can buy the CCNT Online Tests as Add-on's to the course when ordering from our website.



The price for single tests is £25.00 or you can buy all 6 tests for £90.00. The tests are valid for a 12 month period.