

## Cisco CCNA Concentrations

Research undertaken by Cisco demonstrates there will be increased need of specialist skills within enterprises. These courses are designed as a stepping stone beyond the CCNA allowing specialization in Cisco Security, Voice or Wireless technologies to meet these needs as certification courses.

NCAT are offering the new concentration courses individually or bundled together as the CCNA (ICND part 1 and ICND part 2) plus their choice of concentration course.

- **£1,495 for individual CCNA concentration courses**
- **£2,895 for ICND part 1, ICND part 2 and choice of 1 concentration course**

### Implementing Cisco IOS Network Security (IINS)

The **Cisco CCNA® Security** Certification meets the needs of IT professionals who are responsible for network security. It confirms an individual's skills for job roles such as Network Security Specialists, Security Administrators, and Network Security Support Engineers.

Exam: 640-553 IINS

### Implementing Cisco IOS Unified Communications (IIUC)

The **Cisco® CCNA Voice** certification confirms that you have the required skill set for specialized job roles in voice technologies such as voice technologies administrator, voice engineer, and voice manager. It validates skills in VoIP technologies such as IP PBX, IP telephony, handset, call control, and voicemail solutions.

Exam: 640-460 IIUC

### Implementing Cisco Unified Wireless Networking Essentials (IUWNE)

The **Cisco® CCNA Wireless** certification validates delegate's skills in configuring, implementing and supporting of wireless LANs, specifically those networks using Cisco equipment. The course prepares delegates for configuring, monitoring, and troubleshooting basic tasks of a Cisco WLAN in small to medium-sized business (SMB) and enterprise networks. Certification validates that staff have the skills needed for basic wireless networking on a Cisco WLAN in SMB and enterprise networks.

Exam: 640-721 IUWNE

#### Notes

1. A current CCNA certification is required to validate a CCNA concentration exam pass
2. The IINS is a pre-requisite for the new CCSP track which has already been introduced and delegates taking the existing CCSP track need to complete exams before they retire and pass all exams by the 24<sup>th</sup> June 2009
3. The IIUC will become a pre-requisite for the CCVP and delegates taking existing exams have until 24<sup>th</sup> June 2009 to pass all exams

**Course Title:** Implementing Cisco IOS Network Security (IINS)  
**Duration:** 5 days

This course focuses on the necessity of a comprehensive security policy and how it affects the posture of the network. Delegates will be able to perform basic tasks to secure a small branch type office network using Cisco IOS security features available through web-based GUIs (Cisco Router and Security Device Manager (SDM) and the command-line interface (CLI) on Cisco routers and switches.

### Certification

This course prepares delegates for the **640-553 IINS** (Implementing Cisco IOS Network Security) exam and is a pre-requisite for the Cisco Certified Security Professional.

### Objectives

After completing this course the delegate will be able to:

- Develop a comprehensive network security policy to counter threats against information security.
- Configure routers on the network perimeter with Cisco IOS Software security features.
- Configure a Cisco IOS zone-based firewall to perform basic security operations on a network.
- Configure site-to-site VPNs using Cisco IOS features.
- Configure IPS on Cisco network routers.
- Configure LAN devices to control access, resist attacks, shield other network devices and systems, and protect the integrity and confidentiality of network traffic.

### Pre-Requisites

- Cisco Certified Networking Associate (CCNA)
- Working knowledge of the Windows operating system

### Content

- Introduction to Network Security Principles
- Perimeter Security
- Network Security Using Cisco IOS Firewalls
- Site-to-Site VPNs
- Network Security Using Cisco IOS IPS
- LAN, SAN, Voice, and Endpoint Security Overview

**Course Title:**           **Implementing Cisco IOS Unified Communications (IIUC)**  
**Duration:**               **5 days**

Implementing Cisco IOS Unified Communications (IIUC) focuses on the knowledge and skills needed to implement Cisco VOIP Networks consisting of voice gateways. The course also focuses on implementing Cisco Unified Communication 500 Series for small business, Cisco Unified Communications Manager Express and Cisco Unity Express in a Cisco Unified Communications Manager Express Installation.

### Certification

This course completes course material for exam **640-460 IIUC** (Implementing Cisco IOS Unified Communications) and is a pre-requisite for the Cisco Certified Voice Professional.

### Objectives

After completing this course the delegate will be able to:

- Explain the benefits and components of Cisco Unified Communications system
- Describe how traditional telephony systems operate.
- Describe the basic operation, protocols, components involved in a VOIP call and configure a gateway to support these call.
- Implement Cisco Unified Communications Manager Express to support a single site.
- Install Cisco Unity Express, configure Cisco Unity Express Auto Attendant and troubleshoot Cisco Unity Express.
- Describe and implement the Cisco Smart Business Communications System using the Cisco Configuration Assist

### Pre-Requisites

- Cisco Certified Networking Associate (CCNA)
- Basic knowledge of Windows operating system

### Content

- Cisco Unified Communications Systems Introduction
  - Traditional Telephony Operations
  - VoIP Fundamentals
  - Cisco Unified Communications Manager Express Implementation
  - Cisco Unity Express Implementation
- Cisco Smart Business Communications System Implementation

**Course Title:** Implementing Unified Wireless Networking Essentials  
**Duration:** 5 days

This course prepares delegates for the CCNA Wireless certification, as an associate level certification specialising in the wireless field. The course provides delegates with information and practice activities to prepare them to help design, install, configure, monitor and conduct basic troubleshooting tasks on Cisco WLAN in SMB and Enterprise installations. As an associate level, the course aims to provide entry level information, and will not specialise in any of the advanced features of the Cisco WLAN networks solutions.

### Certification

This course completes course material for exam **640-721 IUWNE** (Implementing Cisco Unified Wireless Networking Essentials)

### Objectives

After completing this course the delegate will be able to:

- Describe the fundamentals of Wireless technologies
- Install and configure a WLAN controller, in the main Cisco Unified Networking Essentials line or Mobility Express.
- Install the ADU and configure Wireless clients
- Configure wireless security
- Manage the network with the NCS
- Use the controller and WCS tools to troubleshoot a wireless network

### Pre-Requisites

- Cisco Certified Networking Associate (CCNA)

### Content

- Wireless Fundamentals
- Basic Cisco WLAN Installation
- Wireless Clients
- WLAN Security
- WCS Administration
- Maintenance and Troubleshooting