



OXFORD  
IT TRAINING ACADEMY



Cisco® sets the standards for internetworking hardware. Cisco provides the infrastructure that makes connectivity with the Internet and Wide Area networks (WAN) possible. Any company with an IT department, a Web presence or a WAN needs certified Cisco engineers.

The widely respected Cisco Career Certifications bring valuable, measurable rewards to network professionals, their managers, and the organizations that employ them.

## Cisco CCNA® Cisco Certified Network Associate



The CCNA® certification indicates a foundation in and apprentice knowledge of networking. CCNA certified professionals can install, configure, and operate LAN, WAN, and dial access services for small networks (100 nodes or fewer), including but not limited to use of these protocols: IP, IGRP, Serial, Frame Relay, IP RIP, VLANs, RIP, Ethernet, Access Lists.

The OITTA CCNA course will teach you how to install and configure LAN, WAN and dial-up services for small networks using a variety of local and wide-area protocols.

### Learning Objectives

#### On completion of this course you will understand:

- Planning & designing a LAN and an IP addressing scheme
- Selecting appropriate routing protocols and WAN Services
- Configuring routing protocols, IP addresses, subnet masks and gateway addresses
- Configuring routers
- Configuring switches with VLANs
- Performing LAN and VLAN troubleshooting
- Using the Spanning Tree process
- The components of network hardware devices
- Evaluating rules for packet control

#### CCNA Prerequisites : No prerequisites

#### CCNA Exams & Recommended Training

##### Required Exam(s)

##### Recommended Training

640-801 CCNA

Introduction to Cisco Networking Technologies

Interconnecting Cisco Networking Devices

OR

##### Required Exam(s)

##### Recommended Training

640-821 INTRO

Introduction to Cisco Networking Technologies

640-811 ICND

Interconnecting Cisco Networking Devices

© 2005 Oxford IT Training Academy Ltd. All rights reserved. This document is for informational purposes only. OITTA MAKES NO WARRANTIES, EXPRESS OR IMPLIED, IN THIS SUMMARY. Cisco is a registered trademark of Cisco Systems Inc in the United States and/or other countries. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.