

CCNA Essentials Course

Cairo (Egypt)

20 - 24 July 2025

UK Traininig

PARTNER



CCNA Essentials Course

Code: IT28 From: 20 - 24 July 2025 City: Cairo (Egypt) Fees: 4000 Pound

Introduction

The "Networking Fundamentals" course provides comprehensive training in networking, aimed at equipping participants with essential knowledge and skills for designing and managing modern networks. The course is delivered over five days, focusing on core concepts in networking, routing, switching, network security, wireless networking, and automation.

Objectives:

- Understand basic networking concepts and manage IP addressing and subnetting.
- Learn routing principles and related protocols.
- Gain practical knowledge of switching and VLAN configuration.
- Understand basic network security principles and apply security measures.
- Explore wireless networking technologies and basic automation, and apply them.

Course outlines

Day 1: Networking Fundamentals & IP Addressing

- **Networking Basics:**
 - Network types and topologies
 - OSI and TCP/IP models
- **IP Addressing:**
 - IPv4/IPv6 formats
 - Subnetting basics
- **Hands-On:**
 - Configure IP addresses
 - Subnetting exercises

Day 2: Routing Basics

- **Routing Concepts:**
 - Static vs. dynamic routing
- **Routing Protocols:**
 - Basics of RIPv2 and OSPF
- **Hands-On:**
 - Configure static routes
 - Set up RIPv2 and OSPF

Day 3: Switching Fundamentals



- **Switching Basics:**
 - Role and operation of switches
- **VLANs:**
 - VLAN configuration and trunking
- **Hands-On:**
 - Configure VLANs and trunking

Day 4: Network Security

- **Security Fundamentals:**
 - Common threats and security measures
- **Access Control Lists ACLs:**
 - Basic ACL configuration
- **Hands-On:**
 - Configure ACLs and basic security settings

Day 5: Wireless Networking & Automation

- **Wireless Basics:**
 - Wireless standards and configuration
- **Network Automation:**
 - Overview and benefits of automation
- **Hands-On:**
 - Configure wireless settings
 - Introduction to network automation tools



Blackbird Training Cities

Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Anney (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)
(Netherlands)



Podgorica (Montenegro)



Batumi (Georgia)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



Manchester (UK)



Milan (Italy)



Blackbird Training Cities

USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

Africa



Baku (Azerbaijan)
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney (Australia)



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City (Kuwait)



Pulau Ujong (Singapore)



Jakarta (Indonesia)



Amman (Jordan)



Beirut (Lebanon)



Blackbird Training Cities

Asia



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



Blackbird Training Clients



UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training



BLACKBIRD
FOR TRAINING



International House 185 Tower Bridge
Road London SE1 2UF United Kingdom



+44 7401 1773 35
+44 7480 775526



Sales@blackbird-training.com



www.blackbird-training.com

UK Training

PARTNER

