

CCNA Essentials Course

Düsseldorf (Germany)

13 - 17 October 2025

UK Training

PARTNER



CCNA Essentials Course

Code: IT28 From: 13 - 17 October 2025 City: Düsseldorf (Germany) Fees: 4900 Pound

Introduction

The "Networking Fundamentals" course provides comprehensive training in networking, designed to equip participants with the essential knowledge and skills needed to design and manage modern networks. This course covers key networking concepts, routing, switching, network security, wireless networking, and network automation. It aims to provide participants with a strong foundation to implement and maintain efficient, secure, and scalable networks.

Course Objectives

By the end of this course, participants will be able to:

- Understand basic networking concepts and manage IP addressing and subnetting.
- Learn routing principles and work with RIP and OSPF protocols.
- Gain hands-on experience in switching and VLAN configuration.
- Understand the fundamentals of network security and apply essential security measures.
- Explore wireless networking technologies and implement network automation.

Course Outlines

Day 1: Networking Fundamentals & IP Addressing

- Networking Basics: Types of networks and network topologies.
- OSI and TCP/IP Models: Understanding the layers and how data flows.
- IP Addressing: IPv4/IPv6 formats, and basics of subnetting.
- Hands-On: Configure IP addresses and practice subnetting exercises.

Day 2: Routing Basics

- Routing Concepts: Static vs. dynamic routing.
- Routing Protocols: Introduction to RIP v2 and OSPF.
- Hands-On: Configure static routes and set up RIP v2 and OSPF.

Day 3: Switching Fundamentals

- Switching Basics: Role of switches in network operation.
- VLANs: Configuring VLANs and trunking.
- Hands-On: Set up VLANs and trunking for network segmentation.



Day 4: Network Security

- Security Fundamentals: Common threats and security measures.
- Access Control Lists ACLs: Basic configuration of ACLs.
- Hands-On: Configure ACLs and implement basic security measures.

Day 5: Wireless Networking & Automation

- Wireless Basics: Wireless standards and configurations.
- Network Automation: Overview of automation tools and their benefits.
- Hands-On: Configure wireless network settings and explore network automation tools.

Why Attend This Course: Wins & Losses!

- Hands-On Skills: The course offers practical, hands-on training that enables you to manage and troubleshoot real-world networks.
- Comprehensive Coverage: It covers essential networking topics, from IP addressing to security and network automation, ensuring a well-rounded understanding of networking.
- Career Opportunities: This course equips you with in-demand skills, improving your chances of securing a position in the growing networking field.
- Practical Training: With a focus on real-world applications, you will gain experience in configuring networks, setting up security measures, and managing wireless networks.

Conclusion

The "Networking Fundamentals" course is the ideal choice for beginners and professionals who want to enhance their knowledge and skills in networking. Upon completion, participants will be proficient in designing, managing, and securing networks using best practices. They will gain hands-on experience with routing, switching, network security, wireless technologies, and network automation, ensuring they can manage real-world network environments effectively.

By taking this course, you will develop the necessary skills to build, maintain, and secure networks, ensuring you're prepared for success in the evolving IT landscape.



Blackbird Training Cities

Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)



Podgorica (Montenegro)



Batumi (Georgia)



Salzburg (Austria)



Florence (Italy)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Athens (Greece)



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)

ASIA



Baku (Azerbaijan)
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Melbourne (Australia)
(Kuwait)



Phuket (Thailand)



Shanghai (China)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City



Seoul (South Korea)



Pulau Ujong (Singapore)



Irbid (Jordan)



Jakarta (Indonesia)



Amman (Jordan)



Beirut



Blackbird Training Cities

AFRICA



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



MANNAI Trading
Company WLL,
Qatar



Alumina Corporation
Guinea



Booking.com
Netherlands



Oxfam GB International
Organization,
Yemen



Capital Markets
Authority,
Kuwait



Waltersmith Petroman Oil Limited
Nigeria



Qatar National Bank
(QNB),
Qatar



Qatar Foundation,
Qatar



AFRICAN UNION ADVISORY
BOARD ON CORRUPTION,
Tanzania



KFAS
Kuwait



Reserve Bank of
Malawi,
Malawi



Central Bank of Nigeria
Nigeria



Ministry of Interior,
KSA



Mabruk Oil Company
Libya



Saudi Electricity
Company,
KSA



BADAN PENGELOLA
KEUANGAN Haji,
Indonesia



NATO
Italy



ENI CORPORATE
UNIVERSITY,
Italy



Gulf Bank
Kuwait



Defence Space Administration
Nigeria



National Industries
Group (Holding),
Kuwait



Hamad Medical
Corporation,
Qatar



USAID
Pakistan



STC Solutions,
KSA



North Oil company,



EKO Electricity



Oman Broadband



UNITED NATIONS
UN.



Authority for

UK Training
PARTNER



Blackbird Training Categories

Management & Admin


Entertainment & Leisure
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

Artificial Intelligence (AI)
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



 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

