

Cisco Certified Design Associate (CCDA) Network Design

Telecom Engineering
Dubai (UAE)
14 - 18 Sep 2025

UK Traininig

PARTNER



Cisco Certified Design Associate (CCDA) Network Design

Ref: 321691_144012 **Date:** 14 - 18 Sep 2025 **Location:** Dubai (UAE) **Fees:** 3900 **Euro**

Course Description

This comprehensive 5-day course prepares participants for the Cisco Certified Design Associate CCDA certification. It covers fundamental network design principles, methodologies, and technologies used in Cisco enterprise networks. Participants will learn to design scalable, secure, and efficient network infrastructures using Cisco best practices.

Learning Objectives

- Understand and apply network design methodologies and the Cisco Enterprise Architecture
- Design campus, data center, and enterprise edge network modules
- Develop IP addressing schemes and select appropriate routing protocols
- Integrate security, voice, and wireless solutions into network designs
- Create resilient and scalable network infrastructures for various business requirements

Course Modules

Day 1: Network Design Fundamentals

- Introduction to network design methodologies
- Cisco Enterprise Architecture overview
- Network requirements gathering and analysis
- Modular network design principles

Day 2: Campus Network Design

- Hierarchical campus design models
- Layer 2 and Layer 3 technologies in campus networks
- High availability and redundancy considerations
- Campus network services integration

Day 3: Enterprise Edge and WAN Design

- WAN technologies and design considerations
- Branch office and remote site connectivity
- Internet edge design and security
- Data center connectivity options

Day 4: Addressing and Routing Design

A graphic of a chessboard with several chess pieces (king, queen, rook, knight, and pawns) in gold and silver. The text 'UK Training PARTNER' is overlaid on the board.

UK Training
PARTNER

- IPv4 and IPv6 addressing design best practices
- Routing protocol selection and design
- BGP design for Internet connectivity
- Route summarization and redistribution strategies

Day 5: Network Services and Expansion

- Voice and video network design considerations
- Wireless network integration
- Network management and monitoring design
- Scalability and future growth planning

Practical Wins for Participants

- Ability to design robust and scalable enterprise network architectures
- Skills to integrate security, voice, and wireless solutions effectively
- Expertise in creating efficient IP addressing and routing schemes
- Readiness to tackle real-world network design challenges

A graphic of a chessboard with several chess pieces (a king, a queen, and a pawn) in gold and silver. The board is checkered and has a subtle grid pattern. The text 'UK Training' is in a small, sans-serif font, and 'PARTNER' is in a large, bold, sans-serif font, both in black.

UK Training
PARTNER

Blackbird training cities



Amman (Jordan)



Amsterdam (Netherlands)

Accra (Ghana)

Annecy (France)

Baku (Azerbaijan)

Bali (Indonesia)

Bangkok (Thailand)

Bangkok (Thailand)

Barcelona (Spain)

Batumi (Georgia)

Beijing (China)

Beirut (Lebanon)

Berlin (Germany)

Birmingham (UK)

Bordeaux (France)

Boston, Massachusetts (USA)

Brussels (Belgium)

Cairo (Egypt)

Cape Town (South Africa)

Casablanca (Morocco)

Cascais (Portugal)

Copenhagen (Denmark)

Doha (Qatar)

Dubai (UAE)

Düsseldorf (Germany)

UK Training
PARTNER



Blackbird Training Category



Human Resource



Audit & Quality Assurance



Finance, Accounting, Budgeting



Marketing, Sales, Customer Service



Secretary & Admin



Law and Contract Management



Project Management



IT & IT Engineering



Supply Chain & Logistics



Management & Leadership



Professional Skills



Oil & Gas Engineering



Health & Safety



Telecom Engineering



Hospital Management



Customs & Safety



Aviation



C-Suite Training



Agile and Refinement



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
Kingdom of Saudi Arabia
KSA



Mabruk Oil Company
Libya



Saudi Electricity
Company,
KSA



BADAN PENGELOLA
KEUANGAN Haji,
Indonesia



NATO
Italy



ENI CORPORATE
UNIVERSITY,
Italy



Gulf Bank
Kuwait



General Organization for
Social Insurance
KSA



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



LONDON TRAINING PROVIDER



www.blackbird-training.com



training@blackbird-training.com



+44 7480 775526 / +44 7401 177335