CCNA – Cisco Certified Network Associate (200-301)

The Certified Network Associate course provides learners with the knowledge and skills needed to work with Cisco network infrastructure.

IS THIS COURSE FOR YOU?
This course is designed for those wishing to move forward with a career supporting computer networks and learn the latest networking technologies.

ABOUT THE COURSE
The course covers a broad range of fundamentals that will benefit anyone interested in an IT career.

AIMS AND OBJECTIVES
The aim of this course is to provide students with the knowledge and skills necessary to gain the CCNA certification.

PRE-REQUISITES
None

COURSE CONTENT

Module 1
Network Components, Network Topology Architectures, Interface and Cabling Types, Interface and Cable Issues, TCP, UDP and IPv4, IPv6, Wireless Principles, Virtualisation and Switching

Module 2
VLANS, Interswitch Connectivity, Discovery Protocols and EtherChannel, Spanning Tree Protocol, Wireless Architecture and Infrastructure, Wireless LAN Access

Module 3
Routing Table Components, Routers and Forwarding Decisions, IPv4 and IPv6 Static Routing, OSPFv2, First Hop Redundancy Protocols

Module 4
NAT, Other Network Services, DHCP Client and Relay, QoS Per-Hop Behaviour, Remote Access and FTP

Module 5
Key Security Concepts, Security Program Elements, Passwords, VPNs, Access Control Lists, Layer 2 Security Features, AAA, Wireless Security

Module 6
Automation, Controller-Based Software and SDNs, Programming and Configuration

CAREER PATH
The CCNA program is designed to help you prove your skills in the ever-changing landscape of IT. There is one certification (200-301) that validates a broad range of fundamentals for a career in IT infrastructure.

COURSE DURATION
70 hours. This will vary from individual to individual based on prior knowledge and ability.

CPD POINTS: 70
CPD points awarded upon successful completion.

PITMAN TRAINING

Building careers for 180 years.