General Enquiries
Tel: 0300 300 0090
Email: enquiries@stockport.tscg.ac.uk Website:
stockport.tscg.ac.uk

STOCKPORT
COLLEGE

Cisco CCNA2 (Routing and Wireless Essentials)

Location	Stockport College
Course Type	Adult
Department	Computing
Start Date	Tuesday 14th April 2026
Duration	Part-time, 12 Weeks
Time	17:00:00 - 20:00:00
Fee	£ 298.00 You may be eligible for support with your tuition fees - please visit the college website - funding and finance page for further information
Course Code	SPQ-CPXZ-1300

Course Overview

This course is the second step in the Cisco Networking Academy's CCNA certification pathway. It builds on foundational networking knowledge and focuses on configuring and troubleshooting routers and switches, introducing wireless networking, and applying security best practices.

Course Requirements

There are no formal requirements for this Cisco Networking course, but you should ideally have Level 2 qualifications (or equivalent) in English and Maths to gain the most from the programme.

What You Will Learn

- Configure and troubleshoot routers and switches for advanced functionality in small networks.
- Implement VLANs, inter-VLAN routing, and EtherChannel to optimize network performance.
- Set up wireless LANs (WLANs) and understand wireless standards and security.
- Apply network security fundamentals to protect data and devices.
- Use Cisco Packet Tracer and real equipment to develop hands-on skills and critical thinking.

Assessment

- Online quizzes and module exams
- Final online theory exam
- Work-based practical exam using real or simulated equipment

Progression

These courses are designed to:

- Prepare learners for the full Cisco CCNA certification exam, which is a recognized industry credential.
- Serve as a stepping stone into Level 3 or Level 4 qualifications in computing, networking, or cybersecurity.
- Lead into higher education pathways, such as HNCs or Foundation Degrees in Digital Technologies or Cybersecurity,

Career Options

The following roles are commonly pursued after completing these foundational Cisco courses:

Network Support Technician
Technical Support Engineer
IT Support Specialist
Network Administrator
Systems Administrator
Network Security Associate
Field Network Technician
VoIP or Wireless Engineer

Mandatory Units

Networking Today
Basic Switch & End Device Configuration
Protocol Models
Physical Layer
Number Systems
Data Link Layer
Ethernet Switching
Network Layer
Address Resolution
Basic Router Configuration
IPv4 Addressing
IPv6 Addressing
ICMP
Transport Layer
Application Layer
Network Security Fundamentals
Build a Small Network

Contact Details

For further information please contact T: 0161 886 7070 or E: info@trafford.ac.uk

Disclaimer

Although every care has been taken to ensure that the information contained within this document is accurate, there may be changes to this programme and provision. We will endeavour to keep prospective and current students updated where appropriate and when the information becomes available.