



CCNA: Switching, Routing, and Wireless Essentials (SRWE)

OVERVIEW:

The second course in the CCNA curriculum focuses on switching technologies and router operations that support small-to-medium business networks and includes wireless local area networks (WLAN) and security concepts.

BENEFIT:

Students learn key switching and routing concepts. They can perform basic network configuration and troubleshooting, identify and mitigate local area network (LAN) security threats, and configure and secure a basic WLAN.

PREREQUISITE: None

CAREER OPTIONS:

- ✓ Develop skills for entry-level networking jobs
- ✓ Prepare for CCNA certification exam
- ✓ Fulfill prerequisites to pursue more specialized networking skills

Course Delivery: Instructor-led

Learning Component Highlights:

- ✓ 16 modules and 14 practice labs
- ✓ 31 Cisco Packet Tracer activities
- ✓ 70+ interactive activities, videos, & quizzes
- ✓ 1 final exam

Course Recognitions: Certificate of Completion, Letter of Merit, Digital Badge

Recommended Next Course: CCNA: Enterprise Networking, Security, and Automation (ENSA)

Course Outline:

- ✓ Basic Device Configuration
- ✓ Switching Concepts
- ✓ VLANs
- ✓ Inter-VLAN Routing
- ✓ STP Concepts
- ✓ EtherChannel
- ✓ DHCPv4
- ✓ SLAAC and DHCPv6
- ✓ FHRP Concepts
- ✓ LAN Security Concepts
- ✓ Switch Security Configuration
- ✓ WLAN Concepts
- ✓ WLAN Configuration
- ✓ Routing Concepts
- ✓ IP Static Routing
- ✓ Troubleshoot Static and Default Routes