



CCNA: Introduction to Networking (ITN)

OVERVIEW:

The first course in the CCNA curriculum introduces the architectures, models, protocols, and networking elements that connect users, devices, applications and data through the Internet and across modern computer networks - including IP addressing and Ethernet fundamentals.

BENEFIT:

Learn to build simple local area networks (LAN) that integrate IP addressing schemes, foundational network security, and perform basic configurations for routers and switches.

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:

- ✓ 17 modules and 24 practice labs
- ✓ 31 Cisco Packet Tracer activities
- ✓ 120+ interactive activities, videos, & quizzes
- ✓ 1 final exam

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

Recommended Next Course: CCNA: Switching, Routing, and Wireless Essentials (SRWE)

Course Outline:

- ✓ Networking Today
- ✓ Basic Switch and End Device Configuration
- ✓ Protocols and Modules
- ✓ Physical Layer
- ✓ Number Systems
- ✓ Data Link Layer
- ✓ Basic Switch and End Device Configuration
- ✓ Protocols and Modules
- ✓ Address Resolution
- ✓ Basic Router Configuration
- ✓ IPv4 Addressing
- ✓ IPv6 Addressing
- ✓ ICMP
- ✓ Transport Layer
- ✓ Application Layer
- ✓ Network Security Fundamentals
- ✓ Build a Small Network