

# CCNA: Introduction to Networking (ITN) v7.0

## Course Details:

**Target Audience:** Secondary vocational students, 2-year and 4-year college students in Networking or Engineering programs

**Estimated Time to Completion:** 70 hours (3weeks)

**Prerequisites:** None

**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