

## Course Overview

This course covers the foundation of networking and network devices, media, and protocols. The learner will observe data flowing through a network and basic device configuration to connect to networks.

## Benefits

Teaching your students basic networking concepts is essential for developing IT skills and prepares them for a wide variety of IT career paths.

- ✓ Configure a wireless router and wireless host to connect to the internet
- ✓ Teach how protocols, devices, and media enable communication on Ethernet networks
- ✓ Demonstrate how IP addresses enable network communication
- ✓ Create a simple LAN
- ✓ Use application layer services to accomplish real-world tasks.

## Course Details

**Target Audience:** Secondary or vocational school and college/university students, general audience

**Estimated Time to Completion:** 22 hours

**Prerequisites:** None

**Course Delivery:** Instructor-led and Self-paced

**Learning Component Highlights:**

- 17 modules and 13 practice labs
- Interactive activities and quizzes
- 1 final test

**Course Recognitions:** Digital Badge

**Certification Aligned:** This course is part of the Junior Cybersecurity Analyst Career Path and Network Technician Career Path which align to the CCST Cybersecurity and CCST Networking Certifications.

**Recommended Next Course:**  
Networking Devices and Initial Configuration



## Requirements

- ASC Alignment: Recommended
- Instructor Training: Optional
- Physical Equipment: Not Required