

Networking Essentials

The student has successfully achieved student level credential for completing Networking Essentials course administered by the undersigned instructor. The student was able to proficiently:

- Explain the concept of network communication.
- Explain the basic requirements for getting online.
- Build a simple home network.
- Explain the importance of standards and protocols in network communications.
- Explain how communication occurs on Ethernet networks.
- Create a fully connected LAN.
- Explain the DHCP address assignment process.
- Explain the principles of IPv4 and IPv6 address management.
- Explain how clients access internet services.
- Explain the function of common application layer services.
- Configure an integrated wireless router and wireless client to connect securely to the internet.
- Connect wireless PC clients to a wireless router.
- Explain how to use security best practices to mitigate attacks.
- Configure basic network security.
- Explain how to use the Cisco IOS.
- Build a simple computer network using Cisco devices.

AYUSH KUMAR JHA

Student

Government Polytechnic Muzaffarpur

Academy Name

India

Location

3 Jan 2022

Date



Laura Quintana
VP & General Manager, Cisco Networking Academy