



NETWORKING SYSTEMS/ROUTING & SWITCHING

First Step Toward a Networking Career

Begin preparing for a networking career with this introduction to how networks operate. This first course in the 3-course CCNA series introduces architectures, models, protocols, and networking elements – functions needed to support the operations and priorities of Fortune 500 companies to small innovative retailers. You'll even get the chance to build simple local area networks (LANs). Developing a working knowledge of IP addressing schemes, foundational you'll be able to perform basic configurations for routers and switches. After completing all three CCNA courses, you are ready to take the [CCNA Certification](#).

You'll Learn These Core Skills:

- Build simple LANs, perform basic configurations for routers and switches, and implement IPv4 and IPv6 addressing schemes.
- Configure routers, switches, and end devices to provide access to local and remote network resources and to enable end-to-end connectivity between remote devices.
- Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer.
- Configure and troubleshoot connectivity a small network using security best practices.
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Yearlong class with dual credit from WSUTech (free), meaning you get high school credit and you earn college credit during the class.

NETWORK SECURITY

Learn the Basics Needed to Fight Cybercrime

A single breach can have huge consequences for a company, hurting the bottom line and causing disruption in the daily lives of millions of people. That is why the demand for security professionals continues to grow. Get onboard—and develop an understanding of cybercrime, security principles, technologies, and procedures used to defend networks. Then decide whether you want to pursue an entry-level networking or security professional role. Recommended if you plan to study for [CCNA](#) or [CyberOps Associate](#) Certifications.

You'll Learn These Core Skills:

- Understand security controls for networks, servers and applications.
- Learn valuable security principals and how to develop compliant policies.
- Implement proper procedures for data confidentiality and availability.
- Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer.

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