



## Networking Courses

No other skill is more vital to business operations than networking because, as you know, the network connects *everything!* Rapid advances in technologies, such as automation and artificial intelligence (AI), are radically changing the way networks are designed, built, and managed. This creates huge demand for newly skilled networking professionals. Of the business leaders surveyed, 60% believe IT is leading the organization's business transformation strategy, yet 93% of executives say the current skills gap is preventing their businesses from transforming fast enough.<sup>1</sup>

Employers today require technology professionals with a broad range of knowledge as well as deep specialized skills. Our networking courses develop these critical technical skills while incorporating innovative methods that improve student outcomes.

Course	Networking Essentials	CCNA: Introduction to Networks (ITN)	CCNA: Switching, Routing, and Wireless Essentials (SRWE)
<b>Course Overview</b>	Introduces networking skills based on daily environments, including small office and home office (SOHO) networking. Course provides hands-on learning using real equipment and Cisco Packet Tracer simulation activities.	The first course in the CCNA 3-course series 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.	The second course in the CCNA 3-course series focuses on switching technologies and router operations that support small-to-medium business networks and includes wireless local area networks (WLAN) and security concepts.
<b>Benefits</b>	Builds skills required to obtain entry-level SOHO network installer jobs, develops some skills needed to become network technicians, cable installers, and help desk technicians, or continue on to CCNA.	Develops skills to build simple local area networks (LAN) that integrate IP addressing schemes, foundational network security, and perform basic configurations for routers and switches.	Introduces key switching and routing concepts. Performs basic network configuration and troubleshooting, identifies and mitigates LAN security threats, and configure and secure a basic WLAN.
<b>Target Audience</b>	Secondary and 2-year college vocational students, college and university students in non-IT fields	Secondary vocational students, 2-year and 4-year college students in Networking or Engineering	Secondary vocational students, 2-year and 4-year college students in Networking or Engineering
<b>Prerequisites</b>	None	None	CCNA: ITN (recommended)
<b>Certification Alignment</b>	No	<a href="#">Cisco Certified Networking Associate (CCNA)</a>	<a href="#">Cisco Certified Networking Associate (CCNA)</a>
<b>Additional Details</b>	<ul style="list-style-type: none"> <li>Instructor-led</li> <li>70 hours</li> </ul>	<ul style="list-style-type: none"> <li>ASC alignment required</li> <li>Instructor training required</li> <li>Instructor-led</li> <li>70 hours</li> </ul>	<ul style="list-style-type: none"> <li>ASC alignment required</li> <li>Instructor training required</li> <li>Instructor-led</li> <li>70 hours</li> </ul>
<b>Next Course(s)</b>	CCNA: Introduction to Networks (ITN), Intro to IoT	CCNA: Switching, Routing, and Wireless Essentials (SRWE)	CCNA: Enterprise Networking, Security, and Automation (ENSA)



Course	CCNA: Enterprise Networking, Security, and Automation (ENSA)	CCNP Enterprise: Core Networking (ENCOR)	CCNP Enterprise: Advanced Routing (ENARSI)
<b>Course Overview</b>	The third CCNA course describes architectures and considerations related to designing, securing, operating, and troubleshooting enterprise networks. Course covers wide area network (WAN) technologies and quality of service (QoS) mechanisms used for secure remote access. Introduces software-defined networking, virtualization, and automation concepts that support the digitalization of networks.	The first course in the 2-course CCNP Enterprise series broadens architectural understanding and deepens implementation skills required by enterprise networks. Course covers switching, routing, wireless, and related security topics, along with the technologies that support software-defined, programmable networks.	This second course in the 2-course CCNP Enterprise series focuses on implementation and troubleshooting of advanced routing and redistribution for OSPF, EIGRP and BGP along with VPN technologies, infrastructure security and management tools used in Enterprise networks.
<b>Benefits</b>	Builds skills to configure and troubleshoot enterprise networks, and protect against cybersecurity threats, using network management tools. Prepares students for the CCNA certification exam and career-ready skills for associate-level IT roles.	Deepens skills with hands-on practice implementing and troubleshooting advanced routing technologies and service. Prepares for the CCNP Enterprise – Core Specialist certification exam (ENCOR exam 350-401).	With hands-on practice, students develop practical knowledge preparing for the CCNP Enterprise certification with a concentration in Advanced Infrastructure Implementation (ENARSI exam 300-410).
<b>Target Audience</b>	2-year and 4-year college students in Networking or Engineering	4-year college students in Networking or Engineering programs	4-year college students in Networking or Engineering programs
<b>Prerequisites</b>	<a href="#">CCNA: Switching, Routing, and Wireless Essentials (SRWE)</a> (recommended)	<a href="#">Cisco Certified Networking Associate (CCNA)</a> or equivalent knowledge	<a href="#">CCNP Enterprise: Core Networking (ENCOR)</a>
<b>Certification Alignment</b>	<a href="#">Cisco Certified Networking Associate (CCNA)</a>	<a href="#">Cisco Certified Specialist – Enterprise Core Certification</a>	<a href="#">Cisco Certified Specialist – Enterprise Advanced Infrastructure Implementation Certification</a>  <a href="#">CCNP Enterprise Certification</a>
<b>Additional Details</b>	<ul style="list-style-type: none"> <li>• ASC alignment required</li> <li>• Instructor training required</li> <li>• Instructor-led</li> <li>• 70 hours</li> </ul>	<ul style="list-style-type: none"> <li>• ASC alignment required</li> <li>• Instructor training required</li> <li>• Instructor-led</li> <li>• 70 hours</li> </ul>	<ul style="list-style-type: none"> <li>• ASC alignment required</li> <li>• Instructor training required</li> <li>• Instructor-led</li> <li>• 70 hours</li> </ul>
<b>Next Course(s)</b>	<a href="#">CCNP Enterprise: Core Networking (ENCOR)</a>	<a href="#">CCNP Enterprise: Advanced Routing (ENARSI)</a>	<a href="#">CyberOps, Infrastructure Automation</a> , or <a href="#">Python Essentials</a>