

# CISCO NETWORKING, PROFICIENCY AWARD

---

The Cisco Networking Proficiency Award is designed to equip individuals with the necessary skills and knowledge to excel in the field of networking and prepare them for a successful career in the workforce. Participants in this PA will gain comprehensive proficiency in Cisco networking technologies and protocols, enabling them to design, implement, and manage complex computer networks.

Course ID	Title	Units/ Hours
<b>Required Core Courses</b>		
CNIT R101	IT Essentials	3
CNIT R120	Cisco CCNA Computer Networking I	4
CNIT R121	Cisco CCNA Computer Networking II	4
<b>Total Units</b>		<b>11</b>

Upon successful completion of this program, students will be able to:

- Have the knowledge and aptitude to create a routed network utilizing the proper cabling, IP addressing scheme, and routing protocol.
- Troubleshoot a computer network using a structured methodology.
- Demonstrate the ability to create a layered wireless security defense including strong encryption, MAC filter, complex admin password, and a non-broadcast SSID.
- Design and implement an IP addressing scheme for the network, taking into account factors such as the size of broadcast domains, VLANs, and subnetting requirements.