CompTIA N+

Course duration	40 hours
Class duration	8 hours
Delivery mode	Instructor-led (classroom/online)

CompTIA N+ / Exam N10-008		
Main Topic	**Sub-Topic**	**Duration (hrs)**
Networking Fundamentals	Compare and contrast the Open Systems Interconnections (OSI) model layers and encapsulation concepts	8
	Explain the characteristics of network topologies and network types	
	Summarize the types of cables and connectors and explain which is the appropriate type for a solution	
	Configure a subnet and use appropriate IP addressing scheme	
	Explain common ports and protocols, their application, and encrypted alternatives	
	Explain the use and purposes of network services	
	Explain basic corporate and datacenter network architecture	
	Summarize cloud concepts and connectivity options	
Network Implementations	Compare and contrast various devices, their features, and their appropriate placement on the network	8
	Compare and contrast routing technologies and bandwidth management concepts	
	Configure and deploy common Ethernet switching features	
	Install and configure the appropriate wireless standards and technologies	
Network Operations	Use the appropriate statistics and sensors to ensure network availability	8
	Explain the purpose of organizational documents and policies	
	Explain high availability and disaster recovery concepts and summarize which is the best solution	
Network Security	Explain common security concepts	8
	Compare and contrast common types of attacks	
	Apply network hardening techniques	
	Compare and contrast remote access methods and security implications	
	Explain the importance of physical security	

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Network Troubleshooting	Explain the network troubleshooting methodology	
	Troubleshoot common cable connectivity issues and select the appropriate tools	8
	Use the appropriate network software tools and commands	
	Troubleshoot common wireless connectivity issues	
	Troubleshoot general networking issues	
Total Course Duration (hrs)		40