

# MIS Network Administrator

## Educational Objectives:

The MIS Network Administrator Program covers these major certification areas:

**CompTIA Network+:** Provides students with the fundamentals of networking by giving them hands-on training in networking skills and concepts that affect many aspects of networking.

**Windows:** Implement, deploy, manage, maintain, and provision a Windows Server Infrastructure, with Active Directory, Group Policy, and Hyper-V services. Additionally, instruction is provided on supporting, installing, and troubleshooting Windows Operating Systems.

**Cloud Computing:** Develop multi-vendor cloud computing skills including AWS and Azure

**Cisco CCNA:** Gives students a broad range of fundamental knowledge for all IT careers. They will learn how to install, operate, configure, and verify basic IPv4 and IPv6 networks. Students gain hands on experience with hardware, software, servers, networking, switches and routers.

## Potential Occupations:

The student will have acquired the skills necessary to obtain an entry-level position as:

- Computer User Support Specialist
- Computer Systems Analyst
- Call Center Support
- Technical Support Specialist
- Help Desk Technician
- Network and Computer Systems Admin



## PROGRAM OUTLINE

Course	Title
NH5200	CompTIA Net+
NHMD100-101	Windows 10 and Managing Modern Desktops
NH70740-741	Installation, Storage, Compute and Networking Server 2016
NH70742	Identity with Server 2016
NH7000	CLOUD Overview
NH200-301	Implementing and Administering Cisco Solutions

Total Hours: 672

Tuition Only - \$19,198

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# Course Descriptions

COMPTIA NET+ NETWORKING FUNDAMENTALS	WINDOWS 10 AND MANAGING MODERN DESKTOPS	INSTALLATION, STORAGE, COMPUTE AND NETWORKING SERVER 2016
CompTIA Network+ validates the ability to select, connect, configure, and troubleshoot basic network hardware, including wireless technology. Employees, customers, and potential clients depend on their network. Employing those CompTIA Network+ certified help keep this vital part of business up and running.	Learn how to install, customize, and update Windows 10 operating systems, managing storage, files, and devices, configuring network connectivity for Windows 10, managing and troubleshooting Windows 10. Planning, developing and implementing an Operating System deployment, upgrading and updating strategy, managing users and authentication using Azure AD and Active Directory DS.	Installing Windows servers, implementing storage solutions, implementing Hyper-V virtualization, implementing Windows containers, implementing high availability, monitoring a server environment. Planning and implementing IPv4 and IPv6 networks, installing and configuring DHCP, installing and configuring DNS, implementing and managing IP address management, implementing remote access, and implementing advanced networking features.
IDENTITY WITH WINDOWS SERVER 2016	CLOUD Overview	IMPLEMENTING AND ADMINISTERING CISCO SOLUTIONS
Installing and configuring domain controllers, managing Active Directory objects, securing Active Directory Domain Services, working with complex AD DS infrastructures, implementing Group Policy, understanding Microsoft Azure AD and Directory Synchronization, monitoring and recovering AD DS, and implementing Active Directory Certificate, Federation, and Rights Management Services.	This course ensures IT infrastructure specialists develop multi-vendor skills, including AWS and Azure, related to cloud computing, including the movement of applications, databases, workflows, and systems to the cloud. By addressing system architecture, security, deployment, operations, and automation, this course aims to prepare system administrators to perform the tasks required of their job, not just to rely on a narrow set of vendor-specific product features and functions.	Learn how to install, operate, configure, and verify basic IPv4 and IPv6 networks. Configuring network components such as switches, routers, and wireless LAN controllers, managing network devices, and identifying basic security threats. Network programmability, automation, and software-defined networking.
ELECTIVES		
A+ Comprehensive CompTIA Security+ CompTIA Linux+ Securing Server 2016	Microsoft SQL Server Core 2016 Microsoft SQL Server 2016 Fundamentals & Intermediate ITIL 4	Microsoft Foundation SharePoint Basic & Advanced VMware vSphere 6.5 Admin Basics

Students who purchase a test prep package and complete the appropriate courses are eligible to take the exam for the corresponding certifications. Passing of certification exams is not guaranteed.

