

## Microsoft Certified Solutions Association : MCSA 2016

### Course 20740A: Installation, Storage, and Compute with Windows Server 2016

- Module 1:** Installing, upgrading, and migrating servers and workloads
- Module 2:** Configuring local storage
- Module 3:** Implementing enterprise storage solutions
- Module 4:** Implementing Storage Spaces and Data Deduplication
- Module 5:** Installing and configuring Hyper-V and virtual machines
- Module 6:** Deploying and managing Windows Server and Hyper-V containers
- Module 7:** Overview of high availability and disaster recovery
- Module 8:** Implementing and managing failover clustering
- Module 9:** Implementing failover clustering for Hyper-V virtual machines
- Module 10:** Implementing Network Load Balancing
- Module 11:** Creating and managing deployment images
- Module 12:** Managing, monitoring, and maintaining virtual machine installations

### Course 20741A: Networking with Windows Server 2016

- Module 1:** Planning IPv4 addressing
- Module 2:** Implementing DHCP
- Module 3:** Implementing IPv6
- Module 4:** Implementing DNS
- Module 5:** Implementing and managing IPAM
- Module 6:** Remote access in Windows Server 2016
- Module 7:** Implementing DirectAccess
- Module 8:** Implementing VPNs
- Module 9:** Implementing networking for branch offices
- Module 10:** Configuring advanced networking features
- Module 11:** Implementing Software Defined Networking

### Course 20742A: Identity with Windows Server 2016

- Module 1:** Installing and configuring domain controllers
- Module 2:** Managing objects in AD DS
- Module 3:** Advanced AD DS infrastructure management
- Module 4:** Implementing and administering AD DS sites and replication
- Module 5:** Implementing Group Policy
- Module 6:** Managing user settings with Group Policy
- Module 7:** Securing Active Directory Domain Services
- Module 8:** Deploying and managing AD CS
- Module 9:** Deploying and managing certificates
- Module 10:** Implementing and administering AD FS
- Module 11:** Implementing and administering AD RMS
- Module 12:** Implementing AD DS synchronization with Microsoft Azure AD
- Module 13:** Monitoring, managing, and recovering AD DS