

MICROSOFT CLIENT AND DEVICE MANAGEMENT TRACT (MTA, MCSA, MCSE)



The Microsoft Client and Device Management Tract is for those intending to build a career in desktop or server infrastructure. The recommended entry level path for students is Microsoft Technology Associate (MTA) skills development. After students are well versed in the basics, they can begin preparing for the Microsoft Certified Solutions Associate (MCSA) certification and the Microsoft Certified Solutions Expert (MCSE) certification. Business students can enhance their business skills and differentiate themselves by validating their technology literacy with MTA certification.

The Microsoft Client and Device Management Tract Programme consists of the following study path:

CLIENT AND DEVICE MANAGEMENT TRACT - MTA, MCSA, MCSE



Microsoft Technology Associate (MTA): This is an introductory Microsoft certification for individuals considering a career in technology. MTA certification addresses a wide spectrum of fundamental technical concepts, assesses and validates your core technical knowledge, and enhances your technical credibility. The MTA IT Infrastructure track, are for those intending to build a career in desktop or server infrastructure or private cloud computing.

Microsoft Certified Solutions Associate (MCSA): Prove you have the expertise to configure, manage, and maintain a Windows 8 enterprise system. In this programme, you will get expert instruction and hands-on practice administering and configuring Windows 8.1 and gain the knowledge and skills you need to support the Windows 8.1 operating system and solve technical troubleshooting problems in a Windows 8.1 networking environment.

Microsoft Certified Solutions Expert (MCSE): Enterprise Devices and Apps certification validates that you have the skills needed to manage devices in today's bring-your-own-device (BYOD) enterprise. It qualifies you for a career path which can range from traditional desktop support technician to enterprise management of BYOD devices and apps.

CAREER OPPORTUNITIES

This is for IT Professionals intending on building a career as a:

- IT consultant
- Desktop support technician
- Desktop support administrator
- IT generalist
- IT manager

COURSE DURATION

Based on contact hours as determined by the accreditation body and based on HC Varsity course progression structure and schedule, to complete the MTA – IT Infrastructure track, the MCSA – Windows 8 and the MCSE – Enterprise Devices and Apps will take:

- Full Time – approximately 2 years
- Part Time – approximately 2 and a half years
- Distance Learning – approximately 2 and a half years

ENTRANCE REQUIREMENTS

- MTA: Individuals must have basic computer skills.
- MCSA: It is recommended that individuals have successfully completed the Microsoft Technology Associate (MTA) – IT Infrastructure track or the CompTIA A+ and CompTIA Network + Certifications
- MCSE: It is a pre-requisite that individuals have successfully completed the Microsoft Certified Solutions Associate (MCSA) - Windows 8
- Access to a computer

COURSE CONTENT

MICROSOFT TECHNOLOGY ASSOCIATE
360 – MOBILITY AND DEVICE
<ul style="list-style-type: none">• Understand device configurations• Understand data access and management• Understand device security• Understand cloud services• Understand enterprise mobility
369 – CLOUD FUNDAMENTALS
<ul style="list-style-type: none">• Understand the cloud• Enable Microsoft cloud services• Administer Office 365 and Microsoft Intune

- Use and configure Microsoft cloud services
- Support cloud users

366 – NETWORKING FUNDAMENTALS

- Understanding Local Area Networking
- Defining Networks with OSI Model
- Understanding Wired and Wireless Networks
- Understanding Internet Protocol
- Implementing TCP/IP in the command line
- Working with network services
- Understanding Wide Area Networks
- Defining Network Infrastructures and Network Security

367 – SECURITY FUNDAMENTALS

- Understanding security layers
- Authentication, authorisation, and accounting
- Understanding security policies
- Understanding network security
- Protecting the server and client

MICROSOFT CERTIFIED SOLUTIONS ASSOCIATE (MCSA) - WINDOWS 8

687 – CONFIGURING WINDOWS 8.1

- Windows 8.1 in an Enterprise Environment
- Installing and Deploying Windows 8.1
- Tools Used for Configuring and Managing Windows 8.1
- Managing Profiles and User State in Windows 8.1
- Managing Disks and Device Drivers
- Configuring Network Connectivity
- Configuring File Access and Printers on Windows 8.1 Clients
- Implementing Network Security
- Configuring Resource Access for Domain-Joined Devices and Devices That Are Not Domain Members
- Securing Windows 8.1 Devices
- Configuring Applications for Windows 8.1
- Optimizing and Maintaining Windows 8.1 Computers
- Configuring Mobile Computing and Remote Access
- Recovering Windows 8.1
- Configuring Client Hyper-V

688 – SUPPORTING WINDOWS 8.1

- Implementing a Troubleshooting Methodology
- Troubleshooting Start up Issues
- Troubleshooting Hardware and Device Drivers
- Troubleshooting Remote Computers
- Resolving Network Connectivity Issues
- Troubleshooting Group Policy
- Troubleshooting User Settings
- Configuring and Troubleshooting Remote Connectivity
- Troubleshooting Resource Access within a Domain
- Configuring and Troubleshooting Resource Access for Clients That Are Not Domain Members

- Troubleshooting Applications
- Maintaining Windows 8.1
- Recovering Windows 8.1

MICROSOFT CERTIFIED SOLUTIONS EXPERT - (MCSE) ENTERPRISE DEVICE AND APPS

695 – DEPLOYING WINDOWS DESKTOPS AND ENTERPRISE APPLICATIONS

- Assessing the Network Environment for Supporting Operating System and Application Deployment
- Determining Operating System Deployment Strategies
- Assessing Application Compatibility
- Planning and Implementing User State Migration
- Determining an Image Management Strategy
- Preparing For Deployments Using Windows ADK
- Supporting PXE-Initiated and Multicast Operating System Deployments
- Implementing Operating System Deployment by Using the Microsoft Deployment Toolkit
- Implementing Operating System Deployment by Using System Center 2012 R2 Configuration Manager
- Integrating MDT and Configuration Manager for Operating System Deployment
- Activating Clients and Managing Additional Configuration Settings
- Deploying Microsoft Office 2013

696 –ADMINISTERING SYSTEM CENTRE CONFIGURATION MANAGER AND INTUNE

- Managing Desktops and Devices in the Enterprise
- Preparing the Infrastructure to Support Desktop and Device Management
- Deploying and Managing Clients
- Managing Inventory for PCs and Applications
- Distributing and Managing Content Used for Deployments
- Deploying and Managing Applications
- Maintaining Software Updates for Managed PCs
- Implementing Endpoint Protection for Managed PCs
- Managing Compliance and Secure Data Access
- Managing Client Status, Power Management, and Remote Administration
- Maintaining Configuration Manager Sites and Site Systems

ASSESSMENTS

This internationally recognised course is assessed by CERTIPORT and Pearson VUE through HC Varsity which is an accredited testing Centre. HC Varsity can also offer practice tests to prepare the learner for the final exam.

CERTIFICATION

On successful completion of the international online examinations you will be awarded the following Certification:

- Microsoft Technology Associate (MTA) – IT Infrastructure
- Microsoft Certified Solutions Associate (MCSA) – Windows 8
- Microsoft Certified Solutions Expert (MCSE) – Enterprise Devices and Apps

This MCSE certification requires you to show continued ability to perform in your chosen solution area by completing a recertification exam every three years.

FURTHER STUDIES

After successful completion of the course, there are several career paths that you may specialise in. Please contact HC Varsity for further information.