

MICROSOFT UPSKILLING PROGRAMME - COURSE PREREQUISITES		
Course Code	Courses	Pre-requisite
MSC001	Azure Administrator-AZ-104	<p>Successful Azure Administrators start this role with experience in virtualization, networking, identity, and storage.</p> <p>Understanding of on-premises virtualization technologies, including: VMs, virtual networking, and virtual hard disks.</p> <p>Understanding of network configurations, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies.</p> <p>Understanding of Active Directory concepts, including users, groups, and role-based access control.</p> <p>Understanding of resilience and disaster recovery, including backup and restore operations.</p>
MSC002	Azure DevOps Engineer-AZ-400	<p>Learners Must have prior knowledge and understanding of: Cloud computing concepts, including an understanding of PaaS, SaaS, and IaaS implementations.</p> <p>Both Azure administration and Azure development with proven expertise in at least one of these areas.</p> <p>Version control, Agile software development, and core software development principles.</p> <p>It would be helpful to have experience in an organization that delivers software.</p>
MSC003	Azure Developer-AZ-220	<p>Microsoft Azure Developers design, build, test, and maintain cloud solutions such as applications and services. So below are the prerequisites</p> <ol style="list-style-type: none"> 1. At least one year of experience developing scalable solutions through all phases of software development. 2. Be skilled in at least one cloud-supported programming language. Much of the course focuses on C#, .NET Framework, HTML, and using REST in applications. 3. Have a basic understanding of Azure and cloud concepts, services, and the Azure Portal. Or Azure Fundamentals. 4. Have a basic knowledge about PowerShell and/or Azure CLI and Visual studio code
MSC004	Azure Data Scientist-DP-100	<ol style="list-style-type: none"> 1. Python Basic Coding 2. SQL Basics 3. Basic understanding on Jupyter notebook 4. Basic understanding on what is AI and ML 5. Basic understanding on Mathematical concepts like Mean, Median, SD, Variance and etc 6. Some Knowledge of R language (optinal)

MSC005	Azure AI Engineer-AI-102	1. AI fundamentals (AI-900) 2. Azure fundamentals (AZ-900)
MSC006	Azure Data Engineer-DP-203	1. Azure Fundamentals (AZ-900) 2. Data Fundamentals (DP-900) 3. Must have strong knowledge of data processing languages such as SQL, Python, or Scala
MSC007	Azure Fundamentals-AZ-900	Familiarity with cloud computing is helpful.
MSC008	Data Fundamentals-DP-900	1. Azure Fundamentals (AZ-900) 2. Familiarity with basic data-related concepts, such as working with tables of data in a spreadsheet and visualizing data using charts.
MSC009	AI fundamentals-AI-900	This certification is intended for candidates with both technical and non-technical backgrounds. Data science and software engineering experience are not required; however, some general programming knowledge or experience would be beneficial.
MSC010	Cyber Security Fundamentals	Candidates are expected to have some hands-on experience with Windows Server, Windows-based networking, Active Directory, anti-malware products, firewalls, network topologies and devices, and network ports.
MSC011	Intro Programming using Python	Candidates for this exam should be able to recognize and write syntactically correct Python code, recognize data types supported by Python, and be able to recognize and write Python code that will logically solve a given problem.
MSC012	Intro to Programming using Java	Candidates for this exam are application developers working with Java 6 SE or later, secondary and immediate post-secondary level students of software development, or entry-level software developers.
MSC013	Desktop Administrator (Microsoft 365 Certified: Modern Desktop Administrator Associate)	<p>Candidates for this exam are administrators who deploy, configure, secure, manage, and monitor devices and client applications in an enterprise environment. Candidates manage identity, access, policies, updates, and apps.</p> <p>As an administrator, candidates typically collaborate with the Microsoft 365 Enterprise Administrator to design and implement a device strategy that meets the business needs of a modern organization.</p> <p>Candidates must be familiar with Microsoft 365 workloads and must be proficient and experienced in deploying, configuring, and maintaining Windows 10 and non-Windows devices and technologies.</p>
MSC014	Mobility and Device Fundamentals	Candidates should have some hands-on experience with Windows devices, Windows-based networking, Active Directory, antimalware products, firewalls, network topologies and devices, and network ports.

MSC015	Full Stack Development	Candidates for this exam are developers with at least one year of experience developing with HTML in an object-based, event-driven programming model, and programming essential business logic for a variety of application types, hardware, and software platforms using JavaScript, C# and Microsoft ASP.NET MVC-based solutions and knowledge of Microsoft Azure Web Apps.
MSC016	Software Development Fundamentals	It is recommended that candidates be familiar with the concepts of and have hands-on experience with the technologies described here either by taking relevant training courses or by working with tutorials and samples available on MSDN and in Microsoft Visual Studio. Candidates are expected to have some experience with C# or Microsoft Visual Basic .NET.
MSC017	Database Fundamentals	Candidates for this exam are seeking to prove introductory knowledge of and skills with databases, including relational databases, such as Microsoft SQL Server. It is recommended that candidates be familiar with the concepts of and have hands-on experience with the technologies described here, either by taking relevant training courses or by working with tutorials and samples available on MSDN and in Microsoft Visual Studio. Although minimal hands-on experience with the technologies is recommended, job experience is not assumed for these exams.
MSC018	HTML5 Application Development Fundamentals	Candidates for this exam are seeking to prove core HTML5 client application development skills that will run on today's touch-enabled devices (PCs, tablets, and phones). Although HTML is often thought of as a web technology that is rendered in a browser to produce a UI, this exam focuses on using HTML5, CSS3, and JavaScript to develop client applications. Before taking this exam, candidates should have solid foundational knowledge of the topics outlined in the preparation guide, including CSS and JavaScript. It is recommended that candidates be familiar with the concepts of and have some hands-on experience with the related technologies, either by taking relevant training courses or by working with tutorials and samples available on MSDN and in Microsoft Visual Studio.
MSC019	Networking Fundamentals	Candidates for this exam are familiar with general networking concepts and the technologies. Candidates should have some hands-on experience with Windows Server, Windows-based networking, network management tools, DNS, TCP/IP, names resolution process, and network protocols and topologies.
MSC020	Intro Programming using JavaScript	Candidates for this exam should be able to recognize and write syntactically correct JavaScript code, use data types supported by JavaScript, and be able to recognize and write JavaScript code that will logically solve a given problem.

MSC021	Azure Security Engineer(AZ-500)	<p>Learner should have prior knowledge and understanding of:</p> <p>Security best practices and industry security requirements such as defense in depth, least privileged access, role-based access control, multi-factor authentication, shared responsibility, and zero trust model.</p> <p>Be familiar with security protocols such as Virtual Private Networks (VPN), Internet Security Protocol (IPSec), Secure Socket Layer (SSL), disk and data encryption methods.</p> <p>Have some experience deploying Azure workloads. This course does not cover the basics of Azure administration, instead the course content builds on that knowledge by adding security specific information.</p> <p>Have experience with Windows and Linux operating systems and scripting languages. Course labs may use PowerShell and the CLI.</p>
MSC022	Windows Server Administration Fundamentals	Candidates taking up this course should be familiar with the concepts and the technologies of Windows machines, on-prem basics, and user/entity management.
MSC023	Azure Data Analyst-DA-100	<p>Learner should start this role with experience of working with data in the cloud.</p> <p>Specifically:</p> <p>Understanding core data concepts.</p> <p>Knowledge of working with relational data in the cloud.</p> <p>Knowledge of working with non-relational data in the cloud.</p> <p>Knowledge of data analysis and visualization concepts.</p>
MSC024	Microsoft 365 Enterprise Administrator(MS-100+101)	MS-500 or MS-700 or MS-203 or MD-100, M-101
MSC025	Azure Solutions Architect(AZ-303+AZ-304)	A candidate for this certification should have advanced experience and knowledge of IT operations, including networking, virtualization, identity, security, business continuity, disaster recovery, data platform, budgeting, and governance—this role should manage how decisions in each area affect an overall solution. In addition, this role should have expert-level skills in Azure administration and have experience with Azure development and DevOps processes.
MSC026	Microsoft Teams- MS 700	Candidates for this exam must be able to plan, deploy, configure, and secure Teams chat, apps, channels, meetings, audio/video conferencing, live events, calling, and Microsoft Teams-certified devices. Candidates should have experience integrating Microsoft Teams with other workloads, including SharePoint, OneDrive, Exchange, Microsoft 365 Groups, Power Platform, and with other Microsoft apps, third-party apps, and custom apps.

MSC027	Microsoft 365 Messaging Administrator(MS-203)	<p>Candidates for this exam are Messaging Administrators who deploy, configure, manage, troubleshoot, and monitor recipients, compliance, threat protection, and mail flow in hybrid and cloud enterprise environments.</p> <p>Messaging Administrators are responsible for managing message hygiene, permissions, messaging infrastructure, hybrid configuration, migration, transport, mailboxes, and client access.</p> <p>Messaging Administrators collaborate with other workload administrators and the Microsoft 365 Enterprise Administrator to implement a secure hybrid or cloud-only messaging topology that meets the business needs of an enterprise.</p>
MSC028	Microsoft 365 Security Administrator-MS-500	<p>Candidates for this exam implement, manage, and monitor security and compliance solutions for Microsoft 365 and hybrid environments. The Microsoft 365 Security Administrator proactively secures Microsoft 365 enterprise environments, responds to threats, performs investigations, and enforces data governance. The Microsoft 365 Security Administrator collaborates with the Microsoft 365 Enterprise Administrator, business stakeholders, and other workload administrators to plan and implement security strategies and ensures that the solutions comply with the policies and regulations of the organization.</p>
MSC029	Dynamics 365 Sales Functional Consultant Associate-MB-210	<p>As a candidate for this certification, you have experience configuring Microsoft Power Platform and you know Dynamics 365 model-driven applications and data-modeling principles. You work with an organization's stakeholders to gather requirements and implement Dynamics 365 Sales solutions. You manage leads, opportunities, quotes, and orders, and you configure product catalogs and price lists. Additionally, you configure Dynamics 365 Sales to match your organization's unique business process, and you model Dynamics 365 Sales data. You even extend Dynamics 365 solutions using Power Platform components, such as Power Automate and Power Apps.</p>
MSC030	Dynamics 365 Marketing Functional Consultant Associate-MB-220	<p>As a candidate for this certification, you know Dynamics 365 model-driven applications and data-modeling principles, plus you can configure Microsoft Power Platform. You implement marketing initiatives, like campaigns, emails, and customer journeys. You have experience working with an organization's stakeholders to gather requirements and implement Dynamics 365 Marketing solutions. Additionally, you configure Dynamics 365 Marketing and set up Dynamics 365 organizational security. You even extend Dynamics 365 solutions using Power Platform components, such as Power Automate and Power Apps.</p>

MSC031	Dynamics 365 for Customer Service Functional Consultant-MB-230	As a candidate for this certification must have strong applied knowledge of customer service, including an understanding of industry terminology, priorities, standards, methodologies, customer service operations, and best practices. The functional consultant with customer service expertise also needs deep, practical experience and knowledge of how to meet user needs through Dynamics 365 Customer Service, including in-depth understanding of cases, knowledge management, queues, entitlements, resource scheduling, Service Level Agreements (SLAs), visualizations, connected services, the Customer Service Insights Add-in for Microsoft Dynamics 365 Customer Service, Power Virtual Agents, and Omnichannel for Customer Service. The functional consultant's knowledge should include a comprehensive understanding of the customer service application's role in relationship to the Dynamics 365 suite of applications, along with a basic understanding of the solution architecture and quality assurance.
MSC032	Dynamics 365 for Field Service Functional Consultant(MB-240)	<p>Candidates for this exam are Microsoft Dynamics 365 Customer Engagement Functional Consultants with Field Service expertise. Candidates are responsible for implementing solutions that manage resources which complete the field service lifecycle.</p> <p>Candidates implement the field service processes designed in collaboration with internal and external teams. This collaboration includes configuring the default administration areas of the Field Service application, deploying the Connected Field Service (IoT) solution and the mobile application, and implementing any additional customizations needed. Candidates are responsible for the configuration and deployment of the Field Service application in conjunction with the core customer service application.</p>
MSC033	Dynamics 365 Finance Functional Consultant Associate(MB-310)	As a candidate for this certification must have set up and configure financial management; implement and manage accounts payable and expenses; implement accounts receivable, credit, collections, and revenue recognition; manage budgeting; and manage fixed assets.
MSC034	Microsoft Certified: Dynamics 365 Supply Chain Management Functional Consultant Associate(MB-300)	<p>Candidates for this certification analyze business requirements and translate those requirements into fully realized business processes and solutions that implement industry best practices. Candidates serve as a key resource in implementing and configuring applications to meet business requirements.</p> <p>Candidates for this certification have a fundamental understanding of accounting principles and financial operations of businesses, customer service, field service, manufacturing, retail, and supply chain management concepts. They typically specialize in one or more feature sets of Finance and Operations apps including finance, manufacturing, and supply chain management.</p>

MSC035	Microsoft 365 fundamentals-MS-900	<p>Candidates should have the requisite knowledge to recommend solutions that address common organizational IT challenges and to differentiate Microsoft 365 solutions from the competition in the market. Candidates should also have fundamental knowledge of offerings, optimizing licensing for cost effectiveness, and support options for organizations.</p> <p>Candidates should be able to differentiate between Microsoft's services and products (Microsoft 365, Azure, and Dynamics 365).</p>
MSC036	Power App Fundamentals-PL-900	<p>Candidates for this exam aspire to improve productivity by understanding the capabilities of the Power Platform, automating basic business processes with Power Automate, performing basic data analysis with Power BI, acting more effectively by creating simple Power Apps experiences, and creating powerful chatbots by using Power Virtual Agents.</p>
MSC037	Dynamics365 fundamentals-MB-900	<p>Candidates for this exam should have general knowledge of or relevant working experience in an Information Technology (IT) environment. They should also have a fundamental understanding of customer engagement principles and business operations.</p>
MSC038	Dynamics 365 Supply Chain Management, Manufacturing Functional Consultant Associate(MB-320)	<p>General knowledge of Microsoft Windows</p> <ul style="list-style-type: none"> • The ability to use Dynamics 365 for Finance and Operations for basic processing • General knowledge of basic mobile device features and navigation • Basic understanding for supply chain management and manufacturing terminology • Basic understanding of Dynamics 365 finance and operation apps
MSC039	Azure IOT Developer-AZ-220	<p>Candidates for this certification should have a general understanding of device types and Azure services, including data storage options, data analysis, data processing, AI, and other platform as a service (PaaS) options. They must be able to program in at least one Azure IoT software development kit–supported (SDK–supported) language.</p>
MSC040	Microsoft 365 Modern (Microsoft 365 Certified: Modern Desktop Administrator Associate)-MD-101	<p>Candidates for this exam are administrators who deploy, configure, secure, manage, and monitor devices and client applications in an enterprise environment. Candidates manage identity, access, policies, updates, and apps.</p> <p>As an administrator, candidates typically collaborate with the Microsoft 365 Enterprise Administrator to design and implement a device strategy that meets the business needs of a modern organization.</p> <p>Candidates must be familiar with Microsoft 365 workloads and must be proficient and experienced in deploying, configuring, and maintaining Windows 10 and non-Windows devices and technologies.</p>