

Infrastructure Technician (Level 3)



Phase 1

Induction & Initial Assessment



Phase 2

Training modules and contact from Skills Development Coach



Phase 3

Assessment Gateway



Phase 4

End Point Assessment



Apprenticeship Standard Infrastructure Technician (Level 3)

Blended Learning breakdown

		Training Centre	Remote
Phase 1	Induction & Initial Assessment		Skills Coach visit
Phase 2	Networking & Architecture Part 1	3 days	Training Centre only
	Networking & Architecture Part 2 (98-366 MTA Networking Fundamentals)	2 days	Training Centre only
	Networking & Architecture Part 3	3 days	25 hours self-study 2 remote training sessions
	Business Processes	3 days	20 hours self-study 3 remote training sessions
	Mobile & Operating Systems	3 days	20 hours self-study 3 remote training sessions
	Cloud Services	3 days	20 hours self-study 3 remote training sessions
	Mobile & OS and Cloud Services Revision & Exam (MTA 98 - 368 Mobility & Devices Fundamentals) (MTA 98 - 369 Cloud Fundamentals)	2 days	20 hours self-study 2 remote training sessions
	Coding & Logic Parts 1 - 2	2 days per part	20 hours self-study 4 remote training sessions
	Phase 3	Assessment Gateway	Up to 1 week*
Phase 4	End Point Assessment	3 - 5 days	Training Centre only

*To be arranged by your Skills Development Coach

Course Details



Induction/Initial Assessment

Skills Development Coach will conduct the induction in their first visit

Functional Skills

If required, learners will sit a Maths and/or 3 English exams. Workshops can take up to 3 days. Each exam takes up to 2 hours.

Business Processes & Customer Services

- Understands and complies with business processes
- Understanding of Security Operating Procedures
- Understanding and ability to work confidentially
- Understanding of how to work within the Company Operating Procedures
- Understanding and ability to comply with Data Protection
- Working knowledge of business IT skills relevant to the organisation
- Understanding of company IT requirements
- Understanding of company IT systems and platforms
- Understanding of company IT business required skills
- Understand software life cycles
- Understanding of desktop applications, messaging systems, document management



Mobile & Operating Systems

- Understands the similarities, differences and benefits of the current Operating Systems available
- Understanding of different platforms
- Understands the process for constructing PCs with applied Software utilised
- Understands and is able to apply knowledge to various operating systems with installations required for end to end testing.
- Understand native applications and tools
- Understands security principles associated with different platforms and operating systems
- Understands how to operate remotely and how to deploy and securely integrate mobile devices
- Undertakes a Data Network Deployed Exercise to implement and deploy remote and mobile communications technology
- Understands Secure Communications Interfaces for mobile connectivity
- Understand mobility
- Understand remote management and assistance
- Understand security in mobile devices



Networking & Architecture

- Working knowledge of: a range of cabling and connectivity, the various types of antennas and wireless systems and IT test equipment
- Understands maintenance processes and applies them in working practices
- Understands the similarities, differences and benefits of up-to-date hardware available
- Understands and applies the basic elements and architecture of computer systems and business IT architecture
- Ability to understand and where to apply the relevant numerical skills e.g. Binary
- Understands the relevant networking skills necessary to maintain a secure network



Cloud Services

- Understanding and working knowledge of Cloud and Cloud Services
- Understand how to create and configure virtual machines
- Understand hosted applications, such as: email, server, storage, desktops
- Understand how to configure secure passwords and management of passwords
- Understand how to manage user and security groups and/or cloud identities and their importance
- Understand how to configure DNS records for services
- Understand how to enable client connectivity to Cloud Service
- Understands the importance of disaster recovery and how a disaster recovery plan works and their role within it
- Understand backup and recovery methods
- Understand what a Disaster recovery plan is and where it can be found
- Understand their role within the disaster recovery plan
- Understand what should be in a recovery plan
- Understand how and when it should be practiced or tested
- Understand how to implement and configure system recovery
- Understand how to configure file recovery



Coding & Logic

- Understands the similarities and differences between a range of coding and logic
- Understand working/scripting at command line: particularly when supporting any server work
- Understand and recognise different coding and language
- Understand application life cycle management
- Understand algorithms and data structures
- Understand web page development



Assessment Gateway, Assessment Preparation & Administration Week

(Up to 1 week in the training centre)
Preparation week to understand the four elements of the gateway.

Assessment Phase

- Summative Portfolio
- Synoptic Project
- Technical Interview with SME
- Employer Reference

Achievement of Apprenticeship

BCS
Infrastructure Technician
(Level 3)