



Get Ahead in Digital Transformation

# Cyber and Information Security





## Why do this course?

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Cyber Security is the protection and conservation of all systems from damage, theft and hacking. Wherever there is a network, wired or wireless, there are threats. Security is undeniably one of the most important components of every company's network, involving the implementation of encryption, firewalls, permissions, passwords and policies to protect against threats such as viruses and spam.

Learners on the Get Ahead in Digital Transformation Programme will study network, operating system and software security. As the learner builds their knowledge they will learn how to secure the business' networks and hardware and also the human behaviours of physical access, personal checks and password best practice.

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## What will learners be able to do?

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- Social engineering, attack surface analysis and threat modelling
- Operate system security
- Implement dedicated firewalls, network isolation and protocol security
- Use security software, including antivirus and anti-spam

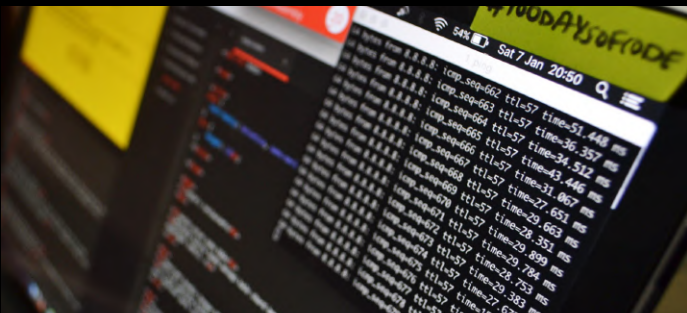


## Topics that will be covered:

Master IT, security concepts, online threats, permissions, passwords and security policies, fighting malware, physical security, protecting servers, Public Key Infrastructure (PKI), certificates, protecting your identity on-line, firewalls and network security, Windows 7 and Windows 8 security solutions, setting up a real access point and understanding wireless security.

### Security administration

Understanding security layers, operating system security, network security and security software.



### Information security

Selection, design, justification, implementation and operation of controls and management strategies to maintain the security, confidentiality, integrity, availability, accountability and relevant compliance of information systems with legislation, regulation and relevant standards.

## What will the learner achieve?

The Get Ahead in Digital Transformation programme aims to add digital accountabilities to learner's existing roles or enable unemployed learners to take on new jobs with digital accountabilities. As part of the programme the learner can take the exam to achieve the Microsoft MTA-Exam 98-367: Security Fundamentals certificate



## How will employers benefit?

With improved digital skills in its workforce, businesses will be more able to effectively harness new and emerging technologies and will be able to expand into new markets and develop their product offering, adding more value to increasingly digital markets, benefiting from improved efficiencies, automation and production.



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