Introduction to Cyber Security

Awarding organisation: ATHE

Unit level: 3
Unit code: J/618/4175
GLH: 60
Credit value: 10
Unit grading structure: Pass/Merit/Distinction
Assessment guidance: In order to achieve this unit, learners must produce work which demonstrates achievement of the learning outcomes at the standards provided by the assessment criteria and the completion of assignments in accordance with awarding organisation guidance.

Unit aims

This unit aims to provide an overview of cyber security and the importance of keeping yourself and systems safe when online. Learners will develop an understanding of the basics of security and the appropriate measures to take to reduce security risks.

Learning outcomes The learner will:	Assessment criteria The learner can:		
	Pass	**Merit**	**Distinction**
1. Understand the use of cyber security	1.1 Explain the importance of understanding cyber security	1 M1 Explain the advantages of understanding hacker's mind-sets	
	1.2 Describe how to keep up to date with new security attacks		
	1.3 Describe the typical mind- sets of hackers		
	1.4 Outline the different types of malware that exist		
	1.5 Describe the different types of cyber-attacks that exist		
2. Understand how to keep yourself and others safe when working online	2.1 Explain methods of keeping safe when using social networks		
	2.2 Describe how social networks create your personal brand		
	2.3 Explain how to protect your reputation online		
	2.4 Explain methods of keeping safe when working online		
3. Understand appropriate security measures to implement	3.1 Explain the types of cyber- attacks to look out for		
	3.2 Identify legislation relating to cyber security		
	3.3 Outline policies that could be implemented in a chosen work environment		

Learning outcomes The learner will:	Assessment criteria The learner can: **Pass**	**Merit**	**Distinction**
	3.4 Explain effective prevention methods 3.5 Describe how to protect systems, people and processes		
4. Understand how to manage cyber security risks	4.1 Identify risk management techniques 4.2 Create a cyber security risk register 4.3 Explain how to monitor cyber security risks 4.4 Create a risk response plan 4.5 Describe the importance of cyber security when designing a new system 4.6 Create a disaster recovery plan	4 M1 Explain the benefits of having a risk register	4 D1 Evaluate the impact that a preventive measure would have on a potential risk
5. Be able to Implement security measures on a range of devices	5.1 Install and configure security measures on mobile devices 5.2 Install and configure security measures on desktop-based devices 5.3 Install and configure security measures on cloud-based systems	5 M1 Configure security policies to protect devices	5 D1 Assess the benefits of centrally managing and controlling devices for an organisation

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