Access to Higher Education Unit

This unit forms part of an Access to HE Diploma. If delivering the graded version of this unit, please refer to the Provider Handbook for details on grading descriptors and the application of these across units within your programme.

Unit Title: IT Systems Security

Graded Unit Reference Number: GA33COM17

Ungraded Unit Reference Number: UA33COM17

Module: Computing

Level: 3

Credit Value: 3

Minimum Guided Learning Hours: 30

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):	
1. Understand current IT security threats, information security and the legal requirements affecting the security of IT systems	1.1	Identify the different security threats that can affect the IT systems of organisations
	1.2	Explain why organisations must adhere to legal requirements when considering IT systems security
	1.3	Assess the impact that IT security threats can have on organisations' IT systems and business while taking account of the principles of information security and legal requirements
2. Examine the techniques used to protect an IT system from security threats	2.1	Explain how protection techniques can help defend an organisation from security threats
	2.2	Analyse how the principles and uses of cryptography impact the security and protection of data
	2.3	Evaluate the effectiveness of the techniques used to protect organisations from security threats while taking account of the principles of information security and legal requirements

3.	Implement strategies to protect an IT system from security threats	3.1	Review the extent to which an organisation's IT system has been protected
		3.2	Demonstrate individual responsibility and effective self-management in the planning and protection of an IT system