



For **new** or **existing** staff

Cyber Security Technologist Apprenticeship Level 4

Delivered by Gloucestershire College

This apprenticeship standard is suitable for those working to achieve required security outcomes in a legal and regulatory context in all parts of the economy. The primary role of a Cyber Security Technologist is to apply an understanding of cyber threats, hazards, risks, controls, measures and mitigations to protect organisations systems and people. All people in this occupation work to achieve required security outcomes in a legal and regulatory context in all parts of the economy to deliver solutions that fulfil an organisation's requirements.

Delivery model and duration:

Workplace delivery and college block delivery

Duration: 24 months

Ideal for:

- Cyber Security Specialist
- Information Security Analyst
- Forensics & Incident Response Analyst
- Penetration Tester

The apprenticeship will cover the following core areas:

- Threat hazards, risk and intelligence
- Developing and analysing a security case
- Organisational context
- Cyber Security risk assessment
- Information security policy and procedure
- Security culture
- Incident response

Benefits to business

- Develop the skills your business needs
- Get qualified and motivated staff
- Future proof your business
- Professional qualifications for your staff

Qualification:

Cyber Security Technologist Level 4

Completers may want to progress to BSC Cyber Security Technical Professional Level 6 or BSc Digital and Technology Solutions Professional Level 6

Entry Criteria:

- A relevant Level 3 apprenticeship, relevant A Levels or other relevant qualifications

Benefits for learners

- Gain an industry recognised professional qualification
- Develop skills that will increase your career potential
- Support from industry experienced staff working with the British Computing Society
- Become a BCS member



Why work with Gloucestershire College

We will work in partnership with you to help you achieve your business objectives by providing exceptional apprenticeship programmes, a comprehensive range of staff training and skills development courses and access to an unrivalled resource of motivated and work ready employees.

01452 563400

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End Point Assessment

The End Point Assessment will test the entire Standard, and be undertaken as follows:

- Portfolio of evidence – produced towards the end of the apprenticeship, containing evidence from real work projects which have been completed during the apprenticeship, and which is assessed as part of the end point assessment
- Synoptic project - giving the apprentice the opportunity to undertake a business-related project over a one-week period away from the day to day workplace
- Employer reference
- Interview - exploring what has been produced in the portfolio and the project as well as looking at how it has been produced

An independent assessor (from the BCS) will assess each element of the end point assessment and will then decide whether to award successful apprentices with a pass, a merit or a distinction.

Components

- Functional Skills English and maths level 2

Core Unit	Overview
Cyber Security Introduction	This is a general introduction to cyber security and is the core element of the apprenticeship. It covers the essential knowledge foundation for most cyber security roles.
Mandatory Units	Overview
Network and Digital Communications Theory	This is a general introduction to modern computer networks and not specific to Cyber Security. It covers the Network and Digital Communications Theory essentials.
Security Case Development and Design Good Practice	This module builds on Applying basic security concepts to develop security requirements (to help build a security case), found in Knowledge Module 1 of the Cyber Security Technologist Apprenticeship and it is an advanced module focused on security case development.
Security Technology Building Blocks	A general introduction to modern computer networks and it covers the essential building blocks of Security Technology.
Employment of Cryptography	A general introduction to the deployment of cryptography. It covers the theory and application of methods available to secure information, computers and networks, as well as legal issues involved with cryptography. Apprentices should be able to demonstrate an understanding of the theory, deployment and legal issues related to cryptography.

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