



# INFORMATION (CYBER) SECURITY

## DIGITAL TECHNOLOGIES

### Incorporating Information Security Technical Apprenticeships at SCQF Level 8

Our Cyber Security Technical Apprenticeships combine high-quality classroom training with on-the-job experience to develop your apprentice's real world skills in information security. Our programme teaches learners to thwart cyber-crime, decrypt data and untangle malware.

It develops a blend of technical skills across digital security, information assurance and risk management to make apprentices security aware and productive in a commercial setting.

#### WHAT CAN THE APPRENTICESHIPS COVER?

Ethical hacking  
Penetration testing  
Cryptography  
Microsoft Windows 10 and other client operating systems  
Mobility solutions such as Microsoft Intune  
Securing devices and networks  
CompTia Network+  
CompTia Security+

#### PLUS CAREER SKILLS IN:

Communication  
Working with others  
Problem solving  
Information and Communication Technology  
Numeracy

#### PLUS OPTIONAL TRAINING IN:

Windows 10 configuring (Exam)  
Interconnecting Cisco Networking Devices (ICND1) (Exam)  
Interconnecting Cisco Networking Devices (ICND2) (Exam leading to CCNA) (Additional costs may apply)  
**Plus many more options that can be discussed with your Account Manager / Assessor**

#### PROGRAMME STRUCTURE:

##### Technical Apprenticeship

12 - 14 months including up to 2 weeks classroom training in first 6 months. Assessor contact every 5 weeks, rotating between remote and face to face visits.



# YOUR PROGRAMME CHOOSE YOUR PATHWAY

## MANDATORY UNITS

PERSONAL EFFECTIVENESS

HEALTH & SAFETY IN IT AND TELECOMS

INTERPERSONAL AND WRITTEN COMMUNICATION

PRINCIPLES OF INFORMATION GOVERNANCE AND ASSURANCE

## TYPICAL PATHWAYS

SECURITY ENGINEER

SECURITY OPERATIONS ANALYST

INFORMATION SECURITY ANALYST

IT OPERATIONS

## CHOOSE YOUR OWN CLASSROOM AND WORKPLACE UNITS AND COURSES FROM:

CARRYING OUT INFORMATION SECURITY RISK ASSESSMENT

INVESTIGATING INFORMATION SECURITY INCIDENTS

CARRYING OUT INFORMATION SECURITY INCIDENT MANAGEMENT ACTIVITIES

CARRYING OUT INFORMATION SECURITY FORENSIC EXAMINATIONS

CARRYING OUT INFORMATION SECURITY AUDITS

PRINCIPLES OF INFORMATION SECURITY TESTING

TESTING THE SECURITY OF INFORMATION SYSTEMS

PRINCIPLES OF SECURE SYSTEM DEVELOPMENT

COMPTIA NETWORK+

COMPTIA SECURITY+

## LEADING TO:

TECHNICAL APPRENTICESHIP INCLUDING SQA DIPLOMA IN INFORMATION SECURITY AT SCQF LEVEL 8, PLUS CAREER SKILLS AND VENDOR QUALIFICATIONS

## WHAT'S NEXT?

PROJECT MANAGEMENT

TECHNICAL APPRENTICESHIP

PLUS MANY MORE OPTIONS THAT CAN BE DISCUSSED WITH YOUR ACCOUNT MANAGER / ASSESSOR

**TO START DEVELOPING THE CYBER TECHNOLOGISTS YOUR BUSINESS NEEDS, GET IN TOUCH TODAY!**

0345 074 7825  
employanapprentice@qa.com



# OUTCOME MAP

## Information Security (Cyber) L8 – TEN Outcomes on 10:2 Learning / Quality & Compliance Ratio

- Induction (Sign up)
- Week one readiness
- Post Induction Visit (ILP/ course planning)

**MONTH 1**

- Remote support visit
- Carrying out Information Security Risk Assessments
- Carrying out Information Security Audits

**MONTH 2  
MILESTONE 1, 2**

- Review visit

**MONTH 3**

- Remote Support visit
- 5 day CompTIA Security+ week 2 course
- Testing the Security of Information Systems
- IT Systems Testing

**MONTH 4  
MILESTONE 3, 4**

- Remote support visit
- Career Skills

**MONTH 8**

- Review visit
- Investigating Information Security Incidents

**MONTH 7  
MILESTONE 7, 8**

- Remote support visit
- Carrying out Information Security Incident Management activities

**MONTH 6**

- Review visit
- 5 day CompTIA Net+ week 2 course
- Principles of Information Security testing

**MONTH 5  
MILESTONE 5, 6**



- Review visit
- RPL units from mandatories (from previously completed IT L8)

**MONTH 9  
MILESTONE 9, 10**



**Quality Assurance Checks**

**MONTH 10**



**Achievement and certification**

**MONTH 11**

**Present Certificate  
New programme  
(progression) induction**

**MONTH 12**

