



SKILLS BOOTCAMPS

CYBER SECURITY



QA's learning programme comprises:

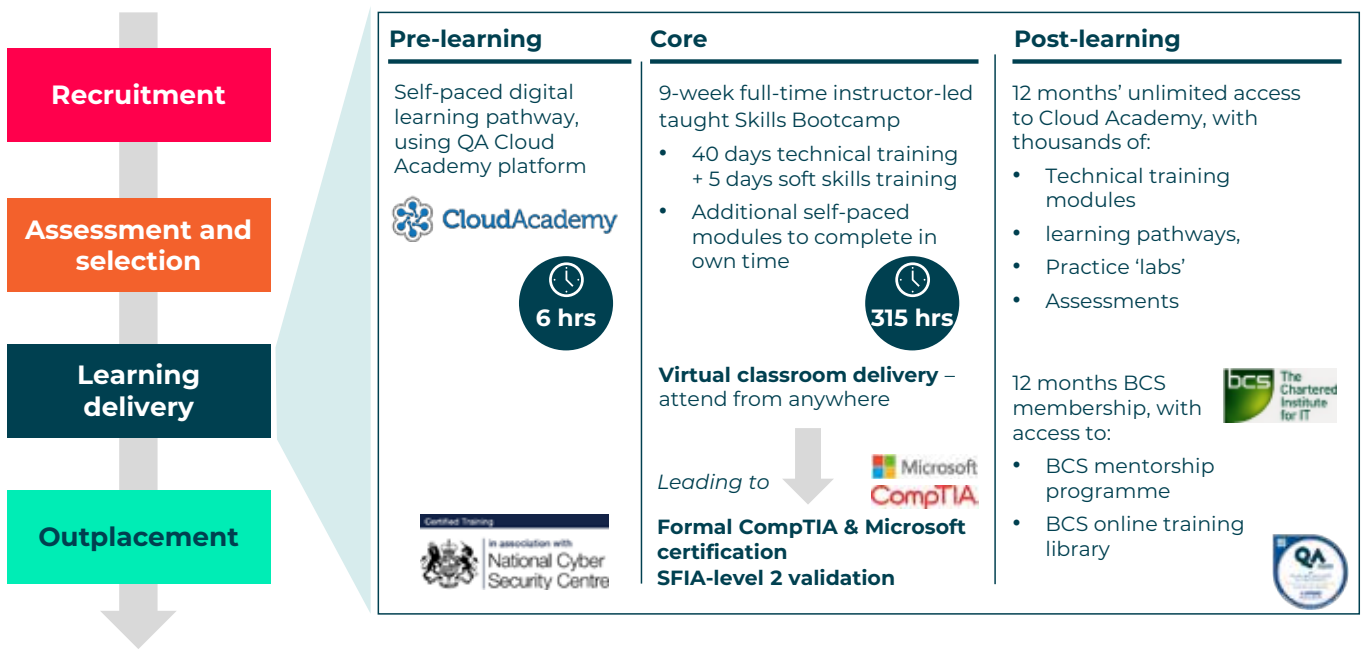
- A QA Cloud Academy self-paced pre-learning pathway
- 9-week, full time (35 hours per week) programme, using proven "QA Virtual Classroom", allowing delegates to attend remotely or Covid – 19 permitted at one of QA's dedicated training centres.
 - 40-days technical training
 - 5 days soft skills training
 - Assignments completed in learners' own time

During the 9 weeks participants will sit:

- Foundation Certificate in Cyber Security
- CompTIA Security+

QA invites Applicants to a programme of post-Skills Bootcamp learning in recognition of the value of life-long learning:

- Balance of 12-months unlimited access to QA's Cloud Academy platform, with access to ~10,000 hours of technical learning content
- 12-months membership to the BCS, with access to BCS-provided CV workshops and the BCS Career Mentoring Network
- 12-month discount to over 500+ Microsoft & PeopleCert technology certifications
- Learners will be able to complete the learning and sit the NIST Cyber Security Professional (NCSP®) Foundation certificate post bootcamp



COURSE CONTENT

Cloud Academy Pre-Learning:

Foundation Certificate in Cyber Security (8hrs)

- A comprehensive overview across industry-standard technology and platforms, illuminating the technology and its specific cyber governance, risk and assurance. Challenging the learner with hands-on labs to best prepare the learner for the pathway

Core content and schedule:

This Skills Bootcamp is aligned to the Cyber Security Apprenticeship (Level 4) standard and learning outcomes.



Days	Module	Learning content
1 - 2	Introduction	Onboarding Induction Requirements gathering
3 - 5	Networking	Local Area Networks, Topologies and the OSI Model IP Addressing Internetworking Applications and Security Management
6 - 40	Operating Systems	System Architecture Package Management Command Line Partitions Filesystems Shells, Scripting and Databases Linux Desktop Linux Administration System Services Active Directory
	Security Fundamentals	Research Cryptography UK Law Security fundamentals Risk management Cryptography Network connectivity and security Authentication Access control Application security Cloud security Organizational security Disaster planning and recovery
	Security Management	NIST Cyber Security Framework Scenario simulations
	Coding & Scripting Basics	Python <ul style="list-style-type: none"> • Strings and Data Types • Collections • Regular Expressions • Functions Powershell Basics



Days	Module	Learning content
6 - 40 (Cont.)	Cloud Security	Frameworks, Principles, Patterns and Certifications <ul style="list-style-type: none"> • Security Technologies – AWS, Azure, GCP • Assurance • Data Protection and Compliance • Containers • Web Application Security • Cloud Identity Services
	Threat Analysis	MITRE ATT&CK Threat analysis Malware Fundamentals
	Information Security Risk	Security Risk Management Management processes ISO27005 Identification Analysis and evaluation Quantitative risk assessment Treatment Acceptance and residual risk management OCTAVE, MEHARI, EBIOS Harmonized Threat and Risk Assessment

SOFT SKILLS CONTENT

Days	Module	Learning content
1	Role overview and communication skills	Working in a technical role Key soft skills Importance of communication
2 - 3	Impactful Presentations	Planning, preparing and structuring presentations Presenting with confidence powerful visual aids Tackling difficult questions Controlling nerves
4	BCS Career workshop	Careers in tech Preparing high-quality CVs (Dedicated workshop on individual learners' CVs)
5	BCS Interview Preparation	Preparing for technical interviews Presenting yourself effectively Asking questions



OPTIONAL POST-PROGRAMME

Participants are invited to further develop and embed their knowledge through:

1. Access to Cloud Academy

Balance of 12 months unlimited access to Cloud Academy (library of >2,500 digital learning assets) with signposting to training pathways pertinent to specialism.

2. BCS membership

Participants will be granted 12 months free BCS membership, providing:

- BCS' library of learning and careers support tools
- BCS' industry events, webinars, and reports
- BCS' mentorship scheme

3. PeopleCert Discounted Access

Participants will be given an access code for 12 months discounted access to PeopleCerts Ofqual regulated exams. Utilising Cloud Academy could obtain 25+ recognised certifications.

OUR PARTNERS



FOR MORE INFORMATION, PLEASE CONTACT

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