CYBER SECURITY SPECIALIST

TRAFFORD & STOCKPORT COLLEGE GROUP

APPRENTICESHIP ROADMAP

1. ONBOARDING

You will have an initial meeting with one of our Admissions Advisors where you will receive information, advice and guidance regarding our apprenticeships. Forms and initial assessments will be sent to you to complete and return back to us.

On day 1 you will receive an overview of the apprenticeship which will be followed up by a comprehensive standard specific induction by your Skills Coach in the first week. You will have your first 1-2-1 with the Skills Coach where the planning of your Individual Learning Plan (ILP) will begin.

2. WEEKLY COURSE

Your course will be delivered using Microsoft Teams via video sessions, assignments and projects.

Joining instructions and your Teams account details will be sent to you. The course will be once a week for 60 weeks.

3. SKILLS COACH

You will be assigned a Skills Coach who will meet with you at least once a month to discuss the progress you have been making, and will stay with you until the end of your apprenticeship. They will help to select the most appropriate projects to include in your portfolio so ensuring that you meet your Knowledge, Skills and Behaviours (KSB).

4. WORKPLACE LEARNING

During your apprenticeship you will attend training to develop your knowledge and skills, and work on projects and assignments in the workplace that meet KSBs needed to reach the End Point Assessment (EPA).

Your Skills Coach will review your work and provide feedback.

5. PORTFOLIO COMPLETION

As you near the end of your apprenticeship, you will work with your Skills Coach to ensure that your portfolio is completed and meets the needs of EPA.

6. EPA

During EPA, your Skills Coach will meet with you each week (or as often as needed) to ensure you are prepared for EPA and all the assessment methods.

7. APPRENTICESHIP COMPLETION

Once all EPA projects and interviews have been completed, you will receive your final apprenticeship grade within 1 week of the final assessment method.

For more information contact the Apprenticeships Team apprenticeships@tscg.ac.uk

CYBER SECURITY SPECIALIST

LEVEL 4 APPRENTICESHIP

TRAFFORD & STOCKPORT COLLEGE GROUP

OVERVIEW

The Apprenticeship lasts 21 months and has been designed to meet the needs of the businesses. Apprentices will complete remote off the job learning to gain knowledge and skill they can immediately begin applying to their roles. Apprentices will also be assigned weekly tasks to ensure they retain knowledge and make good progress.

Throughout their training apprentices' will complete the BCS Level 4 certificate which was designed with industry input to give the next generation of talent the up-to-date skills that are required in the modern workforce. They will be supported throughout their journey by both your business and out Skills Coaches, who will meet with you and your apprentice for regular progress updates.

Throughout the Apprenticeship, the apprentice will be required to create and update a portfolio of evidence to show how their learning has been applied in the workplace, demonstrating their skills and knowledge; this will form an integral part of the 'End Point Assessment' - the basis for a professional discussion with a BCS End Point Assessor.

Our Skills Coaches will work with you and the apprentice to design and implement a suitable coaching plan that will enable the apprentice to succeed in their qualification and on their learning journey.

WHAT'S COVERED

> Cryptography
> Law and Ethics
> Monitoring and SEMs
> Network fundamentals
> Operating Systems
> Python and SQL

DELIVERY

This Apprenticeship is delivered one day per week.

THE CYBER SECURITY ENGINEER

A technology focused role typically including the design, build and test of secure networks or security products or systems, with a particular focus on the security aspects of the design.

Typical jobs include: **Cyber Security: Engineer, Analyst, Architect, Specialist**

LEARNER JOURNEY

DAY 1

In work setting with off the job learning from Code Nation: Months 1-12

MONTHS 1-4
Understand the landscape of the cyber security world and get an introduction to key tools and technologies such as ciphers, vulnerabilities, threats, utilities, and Linux and start a portfolio.

MONTHS 5-8
Learn about a variety of threats and vulnerabilities in networks and web applications and how to mitigate threats using real-world examples, gaining experience, and gathering evidence to support your career.

MONTHS 9-12
Apply your learning in a live project testing your knowledge and skills to assess live networks, produce industry standard reports, identify vulnerabilities, making recommendations for mitigation, and develop coding skills.

END

End Point Assessment (EPA) from Months 16-18

In work setting with off the job learning from Code Nation: Months 13-15

MONTH 21+
Congratulations, your apprenticeship is complete!

MONTHS 16-21
In your End Point Assessment you will undertake four assessment methods that will demonstrate the knowledge and skills that you have obtained throughout the programme/ You will complete a professional discussion based on your portfolio, complete a work-based project, carry out a scenario based demonstrations with questioning and a knowledge test.

MONTHS 13-15
Apply your learning in a live project testing your knowledge and skills to assess live networks, produce industry standard reports, identify vulnerabilities, making recommendations for mitigation, and develop coding skills.

ELIGIBILITY

When deciding whether or not someone is suitable for this course, you need to be able to answer **yes** to the following questions:

✓ **They will have the right to work in the UK**

✓ **They will have lived in the UK/EEA continuously for the past three years**

✓ **They will have at least a grade 4/C GCSE (or equivalent) in Maths and English**

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For more information contact the Apprenticeships Team **apprenticeships@tscg.ac.uk**