SOFTWARE TESTER
APPRENTICESHIP
LEVEL 4

bcs The Chartered Institute for IT

Approved Centre

EMPLOYER TRAINING & APPRENTICESHIPS

For new or existing staff

This apprenticeship Standard is a great route to build the skills, knowledge and behaviours required of a software testers who can ensure that software is operating as intended. They will be able to design and prepare test plans, conduct software testing and document and report on the results. They will have a good understanding of the software lifecycle and software development practices.

Qualification
ISTQB Foundation, BCS Testing Tools

Upon completion, apprentices can also apply to be on the register of IT Technicians confirming SFIA Level 3 professional competence.

Completers may want to progress to A Masters in IT (various routes)

Delivery model and duration:
Training will be delivered in College and at Quanta and the workplace

Duration:
Up to 24 months

Ideal for:
- Software Tester
- Software Test Analyst

The apprenticeship will cover the following core areas:
- Software testing procedures
- Reviewing software requirements
- Designing simple test strategies
- Analysing test requirements and designing test plans
- Developing represented and realistic test data
- Software testing types
- Recording test activities with records and reports
- Assessing test results against expected results

Benefits to business:
- Develop the skills your business needs
- Get qualified and motivated staff
- Improve staff retention
- Future proof your business

Entry Criteria:
- 5 GCSEs including English and maths grade 9 - 4 or A*- C and 2 A Levels, one in a STEM subject, and/or a Level 3 IT apprenticeship

Benefits for learners:
- Gaining industry recognised professional qualifications
- Developing a wide range of skills that will increase your career potential
- Support from industry experienced staff
- Working with the British Computing Society

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GC Gloucestershire College

SOFTWARE TESTER APPRENTICESHIP LEVEL 4

End Point Assessment

The End Point Assessment will test the entire Standard 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

- 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

- Structured Interview - with an independent assessor exploring what has been produced in the portfolio and the project as well as looking at how it has been produced

- Passing all the units - 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, merit or distinction.

Components

English and Maths
Functional Skills Level 2

Unit	Overview
ISTQB Foundation Qualification	The Foundation Level qualification is aimed at professionals who need to demonstrate practical knowledge of the fundamental concepts of software testing. This includes people in roles such as test designers, test analysts, test engineers, test consultants, test managers, user acceptance testers and IT Professionals. The Foundation Level qualification is also appropriate for anyone who needs a basic understanding of software testing, such as project managers, quality managers, software development managers, business analysts, IT directors and management consultants.
Testing Tools	The apprentice will be required to understand & apply the basic concepts of software testing. This will include testing types, test procedures, testing techniques, testing tools & terms. You will also understand how to use and apply automated test tools. You will understand the importance of accuracy and clear documentation of software tests as well as understanding how to use bug-tracking tools.
Testing Concepts	Understand established testing concepts, the fundamental test process & approaches. You will design & prioritise tests by using established techniques and analyse both functional and non-functional requirements. You will learn to execute tests according to agreed test plans, and analyse and report results. You will also learn to write clear & understandable incident reports, effectively participate in reviews of small to medium-sized projects and be familiar with different types of testing tools and their uses. You will also assist in the selection and implementation process.