



## Software Development Technician

### Course Overview

- ◆ This apprenticeship programme includes learning about the primary role of a software development technician, who works as part of a team to build software components for web, mobile and desktop applications to be used by the wider team of a business for large software development projects.
- ◆ The apprentice will interpret simple design requirements for component projects by implementing code that other teams have developed, to produce the required component.
- ◆ They will be engaged in testing that the components produced meet the intended functionality, and taking responsibility throughout the software development lifecycle.
- ◆ Students gain knowledge on a range of IT components such as security, data, analytics, and quality assurance.
- ◆ Some of the core competencies the apprentice will learn include: understanding the structure of software applications, understanding the context for various development platforms (web, applications, desktop), understanding how to implement code with a logical approach, understanding how to follow functional and non-functional requirements, understanding how to connect code to specified data sources, understanding why there is a need to follow good coding practices, and understanding the importance of security in software at the development stage.

## Who is it aimed at?

It's open to all ages - not just school or college leavers, employed adults are eligible too. The course is for anyone interested in the following job roles:

- ◆ Software Development Technician
- ◆ Web Developer
- ◆ Application Developer
- ◆ Assistant Programmer

These roles can vary within the IT department of small, medium and large businesses.

## Duration

- ◆ This apprenticeship takes approximately 18 months for the apprentice to fully complete.

## How is this apprenticeship delivered?

- ◆ As part of this apprenticeship programme, the apprentice will spend four days in the workplace and one day at college where they will undertake classroom training, portfolio building and will perform practical related projects.

## Entry requirements

- ◆ Employers set their own entry specification but the apprentice will complete Maths and English functional skills if they did not achieve GCSE grade 4 or above.

## Off-the-job funding rule

- ◆ The funding rules state that 20% of the apprentice's time must be spent completing off-the-job training, this may include different activities and is measured over the course of the apprenticeship.
- ◆ Apprentices will be required to undertake the equivalent of a day's training to meet this funding rule. This could be either attending BCoT, shadowing another department/role, online learning, or manufacturer training and will be fully documented in their portfolio.

## Progression opportunities

- ◆ Upon completion of the apprenticeship, with the transferable skills gained, the apprentice can progress further and apply their knowledge within various software development roles across many sectors.
- ◆ The apprentice may also wish to progress their training further and work towards other relevant qualifications related to their role in the workplace. Upon completion, the individual will be eligible to apply for the Register of IT Technicians.

## Did you know?

- ◆ An apprentice can be a new or existing employee.
- ◆ Apprenticeships are open to anyone living in England over the age of 16 and not in full-time education.
- ◆ Apprenticeship programmes can go up to degree level.
- ◆ BCoT is one of the largest providers of apprenticeships in the region. We work with large and small employers across all industry sectors.
- ◆ BCoT is in the top 30% of colleges nationally for timely achievement of apprenticeships for all ages and levels - National Achievement Rate Tables 2017/18.

## Get in touch

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