



## Software Development Technician Apprenticeship

A Software Development Technician typically works as part of a software development team, to build simple software components (whether web, mobile or desktop applications) to be used by other members of the team as part of larger software development projects.

Level: 3

Duration: 20 months

Campus: Aireville Campus

Awarding Body: City & Guilds

## Overview

As a Software Development Technician, you will interpret simple design requirements for discrete components of the project under supervision. The approach will typically include implementing code, which other team members have developed, to produce the required component. You will also be engaged in testing that the specific component meets its intended functionality.

## Modules

### Knowledge & Understanding

- Business context & market environment for software development
- Structure of software applications
- Stages of the software development lifecycle
- Configuration management & version control systems
- Testing code (e.g. unit testing)

- Different methodologies used for software development
- The context for the development platform (whether web, mobile, or desktop applications)
- Role within their software development team
- Implement code following a logical approach
- How code integrates into the wider project
- Follow a set of functional & non-functional requirements
- End user context for the software development activity
- Connect code to specified data sources
- Database normalisation
- Follow good coding practices
- Principles of good interface design
- Importance of building in security to software at the development stage

## Entry Requirements

- Employment within the industry
- 3 GCSEs grade 9-4 including English & Maths
- Level 2 in IT subject

## Career Progression

- Software Development Technician
- Junior Web Developer
- Junior Application Developer
- Junior Programmer
- Junior Mobile App Developer

## Equipment Info

Struggling to find an employer – don't worry!

Join our Apprenticeship Access Academy and join a full-time course until you find one. We'll even give you the heads up when a suitable vacancy comes up. Plus, we will support you to improve your employability skills.

Want to know more? Speak to the Apprenticeship Team now on 01756 693 681 and we will do our best to get you started in your dream job.