SOFTWARE DEVELOPMENT TECHNICIAN LEVEL 3

THE FACTS

The full cost	£13,000
Employer cost	£0 - £1,300
Employer incentive	£0 - £1,000
Duration	20 months
Attendance	Classroom & Workplace
Start dates	Roll on roll off
Wages	£3.70 min.

Delivery Model
Assessment and qualications will be carried out in the workplace and at College.

OVERVIEW

A Software Development Technician typically works as part of a software development team, to builds 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. They 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. The Software Development Technician will also be engaged in testing that the specific component meets its intended functionality.

Entry Requirements
- Ideally candidates will have GCSEs grade 9-4 (A*-C) in English, maths and Science or Technology

Technical Competencies
- Logic
- Security
- Development support
- Data
- Analysis
- Development lifecycle
- Quality
- Problem solving
- Communication
- User Interface

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
- 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

Skills, Attitudes & Behaviours
- Logical & creative thinking skills
- Problem solving skills
- Ability to work independently & to take responsibility
- Can use own initiative
- A thorough & organised approach
- Ability to work with a range of internal & external people
- Ability to communicate effectively in a variety of situations
- Maintain productive, professional & secure working environment