



INTRODUCING THE BCS **DIGITAL MODULAR** PROGRAMME

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Introduction

As digital technologies continue to evolve they become an ever more intrinsic part of our daily lives and our society. This is significantly transforming the way in which businesses operate and the requirements for today's workforce. As such there is an ever-increasing need for individuals equipped with the skills and knowledge to support the development and implementation of digital solutions within a business that deliver efficiencies and greater productivity; that provide insight through data; that provide greater security; that deliver enhanced customer experiences; and that ensure successful operations can be carried out.

This isn't just limited to having a good technical understanding of how the technology works, or having the specialist skills required for their role; these individuals must also understand the business environment and the needs of their stakeholders, whilst being able to communicate and collaborate with other teams and individuals in diverse and cross-functional environments, to work together to achieve a common goal. Regardless of their particular specialism, they should understand concepts such as Cyber Security, Networks, Systems and Applications, Data, and Programming, as well as their uses and implications for a business

In response to this need, the BCS have developed the Digital Modular Programme (DMP).

Key Information:

Total Qualification Time (TQT)	Two modules will need to be completed for a certificate. Each module will have its own guided learning hours and total qualification time. The Digital Core will take an estimated 87 hours in total to complete, whereas the time to complete each occupationally focussed module will vary between 320 – 450 hours depending on the subject matter to be covered as part of the specialism.
Assessment Method	Digital exam and synoptic project. (NOTE: The project is not required if undertaking the DMP as part of an Apprenticeship which includes End Point Assessment)

How Does It Work?

This programme has been designed to support learners who might just be starting out in their digital careers, as well as those who are looking to progress on a variety of routes/pathways. It can be taken as a standalone qualification, or in combination with other units/modules as part of a wider programme, such as an Apprenticeship. It is an occupationally focused qualification that will:

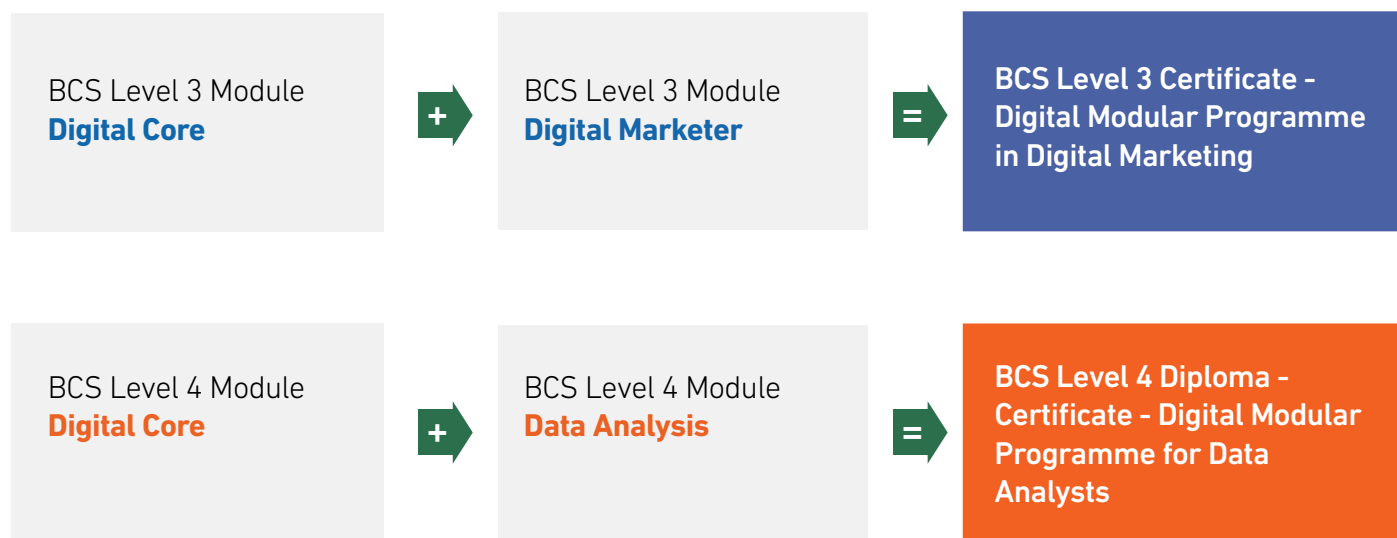
- test a learner's applied knowledge, skills and behaviours to given situations.
- enable a learner to progress in their career.

With learners' career progression in mind, this qualification has been aligned to the IT skills framework **SFIPlus**, allowing learners to plot their progression against an internationally recognised and industry defined benchmark. All of BCS's certifications, Apprenticeships and professional registrations are aligned to the *SFIPlus* framework making it clear to our learners that they are progressing at the right level for their chosen career path.

For more information regarding the *SFIPlus* framework, visit [bcs.org](https://www.bcs.org).

In order to gain either a BCS Level 3 or Level 4 Certificate in Digital Modular Programme, a learner will need to complete **two** modules; the Digital Core module as well as one occupationally focused module which will enable a learner to become qualified in a particular specialism.

Example:



Module Content

The table below outline the main topics covered within each of the modules currently available as part of the DMP. Please note that other modules will be made available by the BCS over time.

Level 3 modules:

Digital Core

- The business context
- Cyber Security
- Networks, systems and applications
- Data
- Programming
- Working effectively

Data Technician

- The role of data
- Data privacy
- Data quality
- Types of data
- Data extraction

Digital Marketer

- Marketing principles
- Digital marketing campaign
- Web development

Level 4 modules:

Digital Core

- The business strategy
- Cyber Security
- Networks, systems and applications
- Data
- Programming
- Working effectively

Data Analysis

- Programming languages
- Analysis tools and methodologies
- Data lifecycle
- Types of data
- Data quality
- Data architecture
- Data structure
- Data privacy

Network Engineer

- Principles of networking
- Network problems
- Networking security

DevOps

- Principles of Dev Ops
- A DevOps environment
- Architecture and Infrastructure
- Security
- Testing

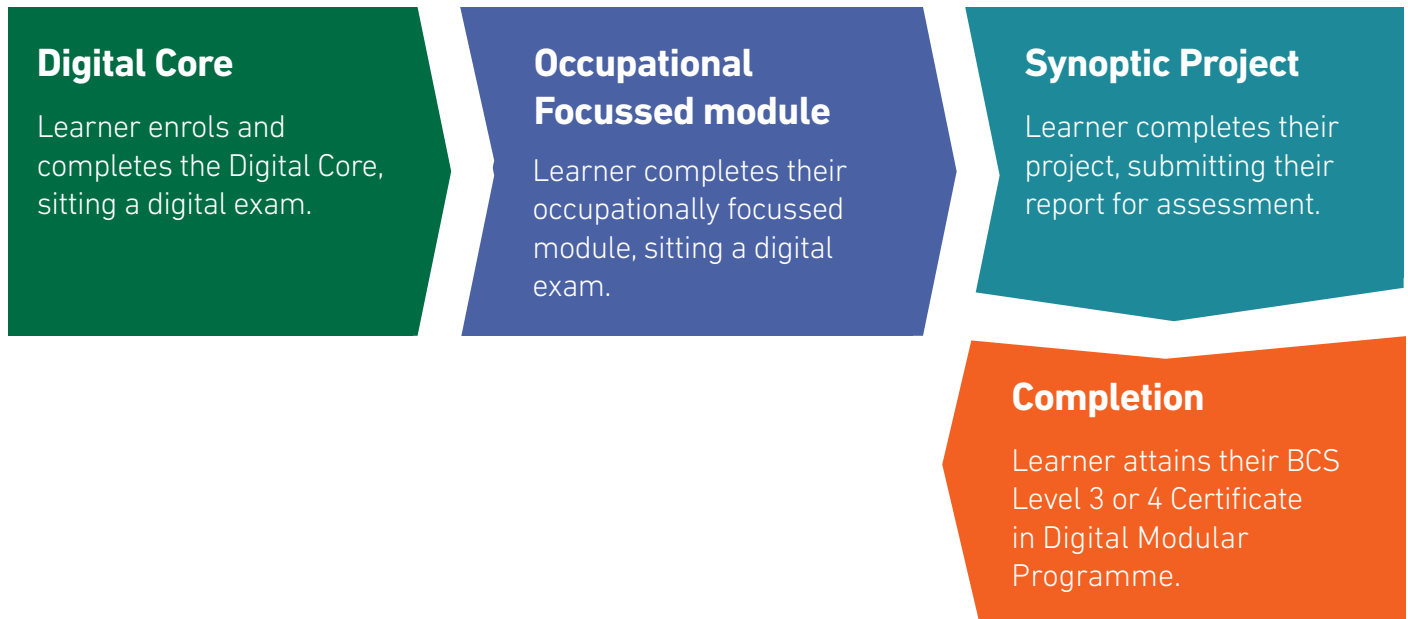
Software Developer

- The systems development lifecycle
- Software development methodologies
- Software design approaches, patterns and frameworks.
- Algorithms, logic and data structures.

The Learner Journey

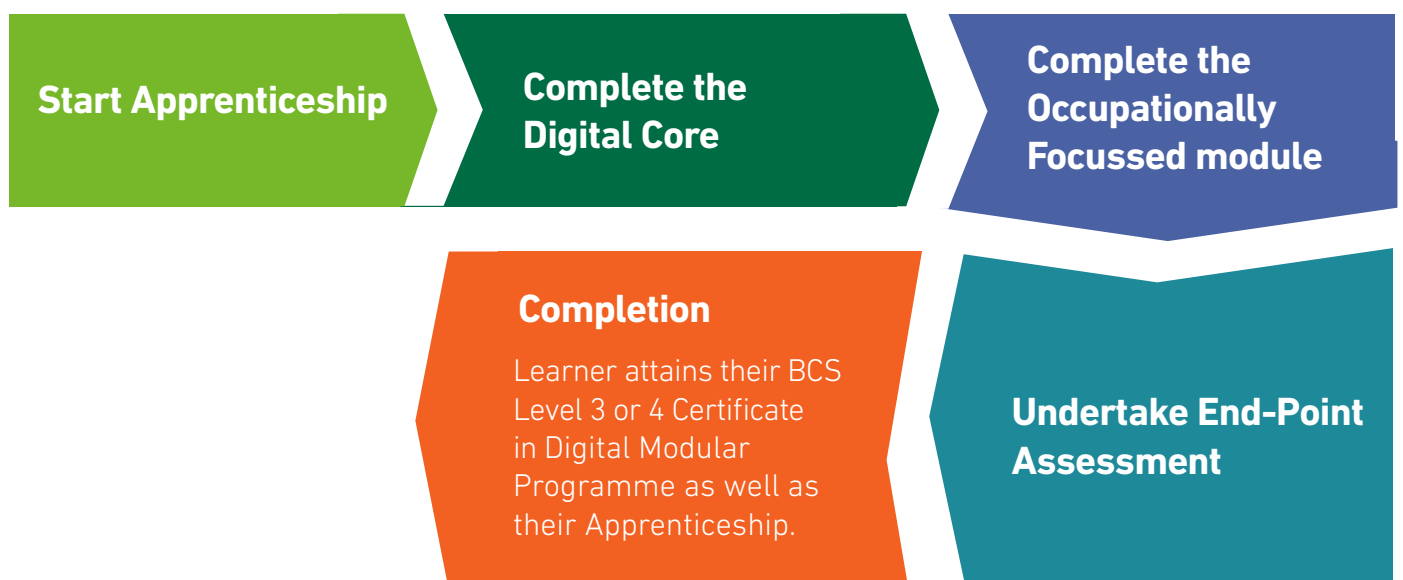
Undertaking this programme as a stand-alone qualification

A learner may choose to complete the DMP as a stand-alone programme if they are already employed and wishing to progress their career within a particular specialism, currently seeking employment or wanting to retrain for new employment opportunities. This programme will give them a broader understanding of an organisation and the role they will play within it; they will develop both technical skills, making them specialists in their particular role, and transferrable skills, which will equip them for the world of work.



Undertaking this programme as part of an Apprenticeship

Learners undertaking the DMP as part of their Apprenticeship will need to provide evidence that they have gained the relevant knowledge to be occupationally competent. As each of the modules developed for the DMP aligns to the relevant digital Apprenticeship standards, this will enable learners to gain the knowledge they need to be successful in their roles. It also complements other forms of on- and off-the-job training which support them to develop their skills and behaviours, providing a solid foundation on which they can build as they progress through their career.



Assessment Methods

Digital Exam

Each module is assessed by digital exam, therefore a learner should expect to undertake two exams; one for the Digital Core and one for their chosen occupationally focussed module/award.

The learner will be tested through a two-part digital exam consisting of;

- a knowledge-based assessment to test their understanding of the relevant concepts.
- a set of scenario-driven situational judgement assessments that will test their applied knowledge, skills and behaviours in order to solve specific business problems.

Synoptic Project

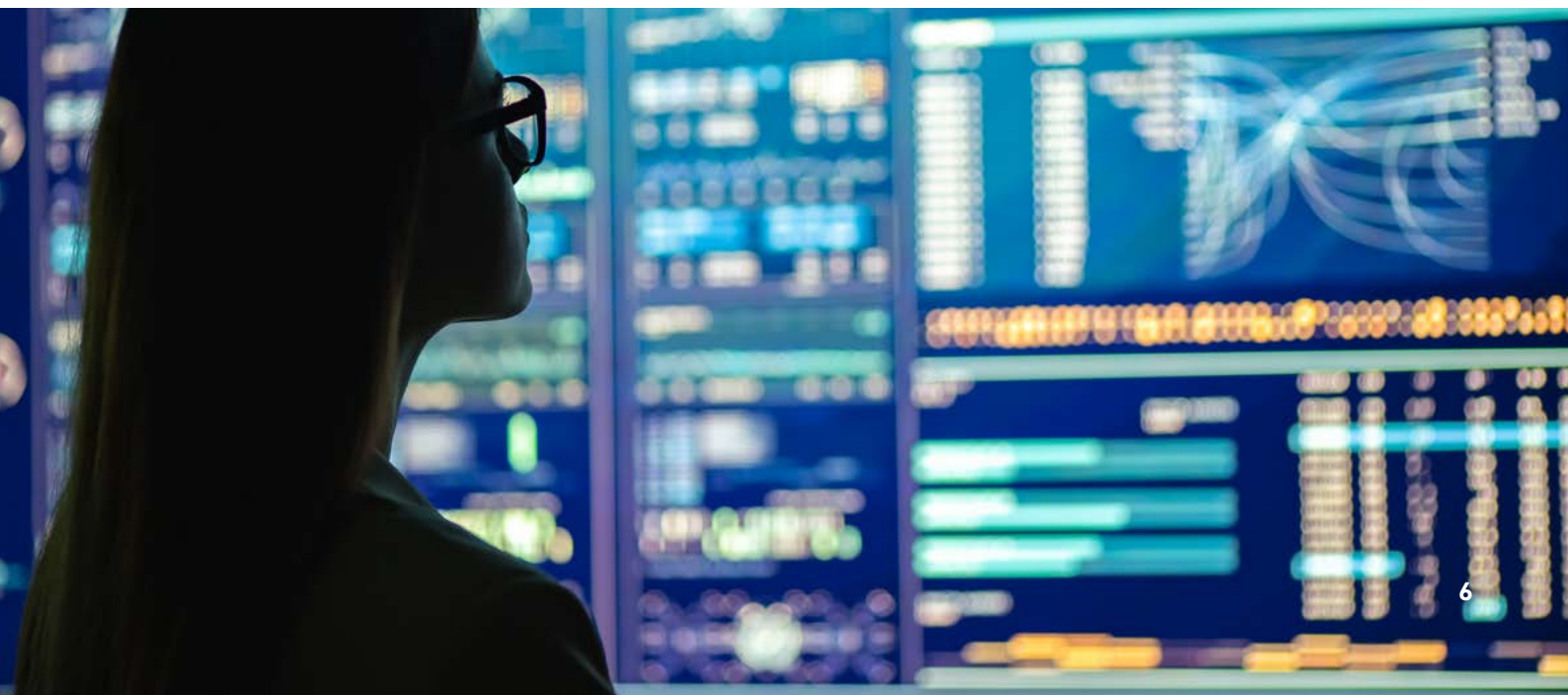
In order to enable the learner to showcase the specialist skills they have developed while on programme, they will be required to carry out a synoptic project that will account for 30 hours of their total qualification time. Through the undertaking of this project the learner will be able to practically demonstrate their ability to solve a particular business problem, providing evidence of their competence within the skills and behaviours defined in the occupational standard e.g. Data Analysis.

This project can be carried out in the context of their own workplace or through simulated activity where the learner is not currently working in the role. The learner will be required to present the results of their project within a 3,500 word report.

NOTE: Learners undertaking the DMP as part of an Apprenticeship are exempt from the project as evidence of their knowledge, skills and behaviours will be demonstrated through End Point Assessment.

Each of the required assessments will need to be undertaken within 12 months of each other from the date of the first assessment. This does not influence the length of the learning programme, however providers should plan for when the first assessment should be undertaken to ensure all assessments are completed within 12 months.

These assessments will cover the totality of the learning objectives within the modules/awards the learner undertakes as part of their programme.



Pricing

The digital core exam will be charged at **£95.00**. One year of BCS Early Career Membership is included in this fee. The exam for the occupationally focussed module will be charged at **£55.00**.

Further Information

At the BCS, we want all learners to succeed in their chosen digital career, so that they can play their role in making IT good for society.

If you are a training or educational provider wanting to find out more about delivering this programme, please contact your Key Account Manager.

Our Customer Service team is also here to help:
customerservice@bcs.uk

CONTACT

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