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:

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<th>QAN</th>
<th>TBC.</th>
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<td>Total Qualification Time (TQT)</td>
<td>Two modules will need to be completed for a certificate. Each module will have its own guided learning hours and total qualification time. It will take on average “100” hours to complete each module.</td>
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<tr>
<td>Assessment Method</td>
<td>Online multiple-choice and scenario based Knowledge Test.</td>
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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 ability to recall knowledge and apply it 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 SFIaplus, 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 SFIaplus 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 SFIaplus framework, visit 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 focussed module which will enable a learner to become qualified in a particular specialism.

Example:

BCS Level 3 Module
Digital Core

BCS Level 3 Module
Digital Marketer

BCS Level 3 Certificate -
Digital Modular Programme
in Digital Marketing

BCS Level 4 Module
Digital Core

BCS Level 4 Module
Data Analysis

BCS Level 4 Certificate -
Certificate - Digital Modular Programme for Data Analysts
The table below outlines 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:

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<tr>
<th>Module</th>
<th>Core Topics</th>
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| **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:

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<tr>
<th>Module</th>
<th>Core Topics</th>
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</table>
| **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, or they are currently seeking employment or preparing themselves to enter the workplace. 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 wider world of work.

Digital Core
Learner enrolls and completes the Digital Core, sitting a final assessment.

Occupational Focussed
Learner completes their occupationally focussed module, sitting a final assessment.

Completion
Learner attains their BCS Level 3 or 4 Certificate in Digital Modular Programme.

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.

Start Apprenticeship

Complete the Digital Core

Complete the Occupationally Focussed module

Completion
Learner attains their BCS Level 3 or 4 Certificate in Digital Modular Programme as well as their Apprenticeship.

Undertake End-Point Assessment
Assessment Method

Each module is assessed by exam. A learner should expect to take two exams: one for the Digital Core and one for their chosen occupationally focused module. Learners’ knowledge will be tested through multiple-choice and scenario-driven questions to assess how they would apply their knowledge in real-life situations. All of the learning objectives within the learner’s chosen modules will be covered.

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 the 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

For further information please contact:

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