



# **YOUR GUIDE TO LEARNING AND DEVELOPMENT WITH BCS**

CHANGING LIVES THROUGH DIGITAL SKILLS

**bc**s

The  
Chartered  
Institute  
for IT



# CONTENTS

<b>INTRODUCTION</b>	4
<b>ABOUT BCS</b>	6
<b>BCS DIGITAL APPRENTICESHIPS</b>	8
<b>INDUSTRY PROFESSIONAL CERTIFICATION</b>	26
<b>ACCREDITATION</b>	74
<b>CONTINUOUS PROFESSIONAL DEVELOPMENT</b>	76
<b>SKILLS FOR SCHOOLS</b>	80
<b>NEW TO DIGITAL - BEGINNERS' IT</b>	82
<b>DIGITAL LITERACY QUALIFICATIONS</b>	84
<b>HIGHER TECHNICAL QUALIFICATIONS</b>	90
<b>HIGHER EDUCATION QUALIFICATIONS</b>	92
<b>BCS BOOKS</b>	94



WHERE YOU SEE THIS ICON,  
TAP FOR MORE INFORMATION ON THE BCS WEBSITE



WHERE YOU SEE THIS ICON,  
TAP TO EXPLORE AND BUY BOOKS



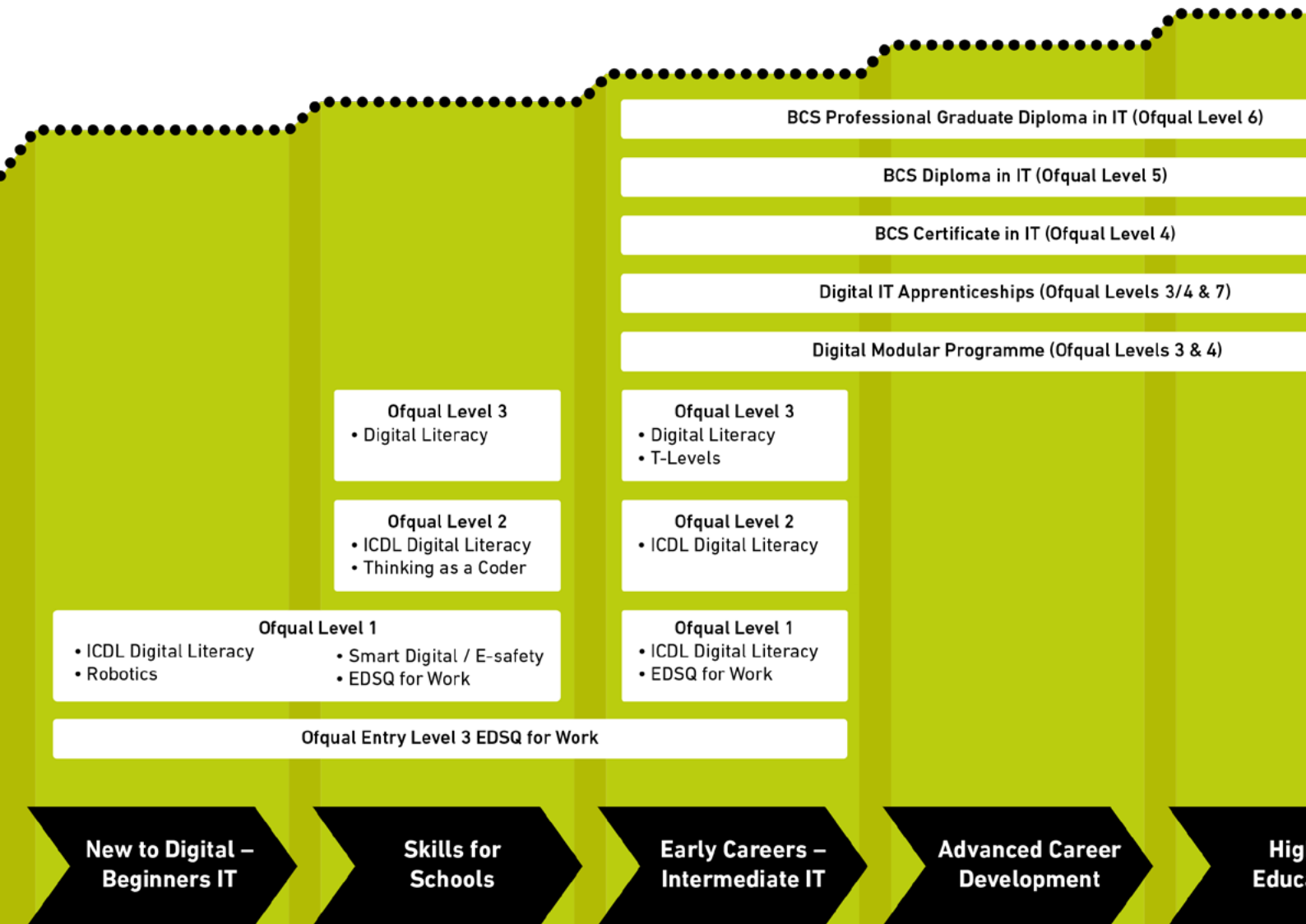
WHERE YOU SEE THIS ICON,  
TAP TO MAKE A PURCHASE

# INTRODUCTION TO BCS QUALIFICATIONS AND PROFESSIONAL CERTIFICATIONS

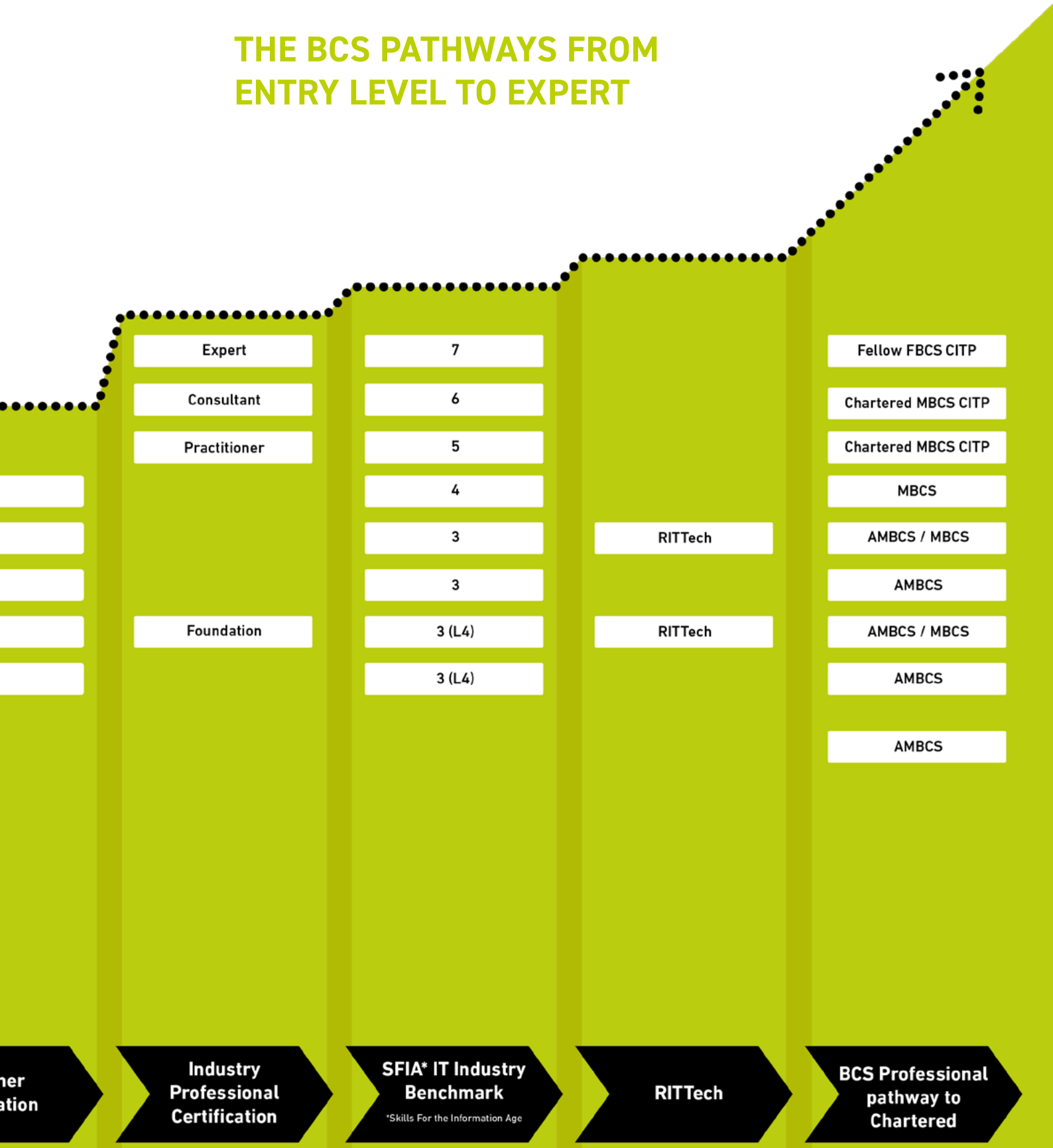
This comprehensive guide gives you all you need to know about the wider qualifications, apprenticeship end-point assessment and industry professional certifications offered by BCS. We're dedicated to ensuring that our education offering is at the forefront of quality digital learning and provision. No matter where a learner's journey begins, there is a digital pathway available. From those needing entry level skills,

where digital is now an essential part of work, right through to the digital specialisms and skills highly sought after by employers today. BCS pathways, from level 3 upwards, qualifications and standards are aligned to the industry framework for it professionals, SFIPlus (skills for the information age). You can be confident learners will come away with rounded employability skills, digital competence, and a progression

route essential for personal growth and organisational success. Plus, they get to 'prove it' to employers with eligibility to appear on a recognised professional register for it and to add industry credentials after their name. Whether you're an educator or employer we'll help you identify next steps. You can be confident when partnering with BCS, the industry digital specialists.



# THE BCS PATHWAYS FROM ENTRY LEVEL TO EXPERT





**ABOUT  
BCS**

## AT BCS, WE'RE ON A MISSION TO ENSURE EVERYONE'S EXPERIENCE WITH TECHNOLOGY IS POSITIVE. IT'S SOMETHING WE'VE BEEN COMMITTED TO SINCE 1957.

### WHO WE ARE

We're over 70,000 members in 150 countries, and a wider community of business leaders, educators, practitioners, and policymakers all committed to our mission.

As a charity with a royal charter, our agenda is to lead the IT industry through its ethical challenges, to support the people who work in the industry, and to make IT good for society.

### WHAT WE DO

At BCS, we're ensuring the digital journey is safe and positive for everyone, by raising standards of competence and conduct across the IT industry and tackling the ethical challenges we face along the way.

Everything we do at BCS is built on our four strategic pillars, which make it possible for us to raise standards and realise greater potential in the technology industry.

### MEMBERSHIP

We promote and support the growing and diverse community of IT and digital professionals committed to making IT good for society. Our members are at the heart of our community.

We support them to gain the skills, expertise and connections they need to develop their career, shape the digital future and be recognised as trusted professionals.

You can find out more about membership on our website.

### INSPIRATION

We influence and improve computing education in all its forms to improve opportunities for young people, society and the economy.

We create a diverse talent pipeline, inspiring significantly more careers in IT and digital roles.

### PROGRESSION

We provide opportunities for learning and development to support people's career progression and raise standards of competence in our profession.

We assess and recognise talent at every level through a diverse range of qualifications, professional registrations, content, and skills frameworks.

### INFLUENCE

We tackle the big issues facing our digital lives, connecting industry, education and government to shape and bring about impactful change on society and our profession.

We campaign to raise trust in the IT profession and ensure IT is used effectively and ethically to solve the biggest problems of society.



**BCS**

**DIGITAL**

**APPRENTICESHIPS**



All on programme apprentices can apply for AMBCS and once they have successfully completed their EPA are eligible to apply for BCS Professional Membership (MBCS) and automatically qualify for RITTech (Register of IT Technicians).

- **BCS is an approved and trusted end-point assessment organisation selected to assess 26,000 plus digital apprenticeships.**
- **We support apprentices not only through a best-in class end-point assessment, but also their ongoing journey to trusted professional.**
- **Our experienced and dedicated team of full-time subject matter expert assessors lead over 90 associate assessors.**
- **Our assessors take part in rigorous training, moderation, and standardisation, delivering confidence to apprentices and employers.**
- **Exclusive e-learning support through our partnership with Pluralsight.**
- **Established provider community, regular forums, updates, networking events and newsletters. EQA Providers: Ofqual & National Skills Academy for Rail (NSAR).**

## **ONLINE/CLASSROOM/ REMOTE:**

- **Work-based learning**
- **Variety of assessment methods**

## **RECOMMENDED ENTRY REQUIREMENTS:**


In some cases, 5 GCSEs / or A levels/ or other relevant qualifications may be required.

All apprentices will need to have level 2 English and maths by the end of their apprenticeship; any apprentices who do not already have qualifications at this level will need to complete them before taking their end-point assessment.

All apprenticeships standards are mapped to the industry framework SFIA\* Skills for the Information Age and to BCS Professional Membership and apprentices are eligible to appear on successful completion the industry approved IT register, RITTech.

# ANALYST


IF YOU'RE LOGICAL, METHODOICAL, AND ORGANISED, WITH GOOD COMMUNICATION SKILLS THROWN IN, IT'S TIME TO CONSIDER WORKING IN DATA ANALYSIS.

**LEVEL 3** 

**DATA TECHNICIAN (LEVEL 3) V1.0**

- » LARS Code: 576
- » ST Number: ST0795
- » Funding: £12,000
- » Duration: 24 months


**DATA TECHNICIAN**  
Individuals with data skills who can identify and analyse relevant information, handle data securely and elicit stakeholder's data requirements.


**LEVEL 4** 

**DATA ANALYST (LEVEL 4) V1.1**

- » LARS Code: 80
- » ST Number: ST0118
- » Funding: £15,000
- » Duration: 24 months

**DATA ANALYST**  
For anyone looking to enhance existing data analysis skills or progress from a suitable level 3 award where data analysis is used.


Essential Reading: **Data Analyst** 


**LEVEL 4** 

**BUSINESS ANALYST (LEVEL 4) V1.1**

- » LARS Code: 165
- » ST Number: ST0117
- » Funding: £18,000
- » Duration: 18 months

**BUSINESS ANALYST**  
Working in business change or process improvements, gathering information about what people do and how change would affect their work.

Essential Reading: **Business Analyst** 

**LEVEL 7** 

**ARTIFICIAL INTELLIGENCE (AI) DATA SPECIALIST (LEVEL 7) V1.0**

- » LARS Code: 561
- » ST Number: ST0763
- » Funding: £17,000
- » Duration: 24 months

**ARTIFICIAL INTELLIGENCE (AI) DATA SPECIALIST**  
Focuses on the use of AI techniques to analyse data and assist in the human decision-making process.

**70% OF BUSINESS ANALYSTS SAID THAT THEIR SPECIALISM WOULD BECOME MORE INFLUENTIAL**

BCS UK professional certification market research 2021

# CYBER SECURITY

TAKE UP A ROLE IN THE EXCITING,  
FAST-MOVING FIELD OF CYBER  
SECURITY AND STRENGTHEN YOUR  
ORGANISATION'S DIGITAL DEFENCES.

**LEVEL 3**



**CYBER SECURITY  
TECHNICIAN  
(LEVEL 3) V1.0**

- » LARS Code: 559
- » ST Number: ST0865
- » Funding: £11,000
- » Duration: 18 months

**CYBER SECURITY  
TECHNICIAN**

The first line in cyber security support; monitoring, detecting, and preventing cyber threats by implementing security procedures and controls.

Essential Reading:  
**Information Security  
Management Principles**



**LEVEL 4**



**CYBER SECURITY  
TECHNOLOGIST 2021  
(LEVEL 4) V1.0**

- » LARS Code: 619
- » ST Number: ST1021
- » Funding: £18,000
- » Duration: 24 months

**CYBER SECURITY  
TECHNOLOGIST**

Cyber-attack and threat research, risk assessment, secure system setup and computer programme/script writing with wider pathway specific knowledge and specialities.

# HARDWARE, NETWORK, CLOUD, AND INFRASTRUCTURE

PLAY YOUR PART IN DESIGNING,  
BUILDING, DEPLOYING, AND  
MAINTAINING THE TECHNOLOGY  
BACKBONE OF YOUR BUSINESS.

**LEVEL 3** **IT SOLUTIONS  
TECHNICIAN  
HARDWARE/SOFTWARE  
(LEVEL 3) V1.0**

- » LARS Code: 413
- » ST Number: ST0505
- » Funding: £13,000
- » Duration: 18 months

**IT SOLUTIONS TECHNICIAN**

Develops, implements, and maintains complete IT solutions, specialising in hardware infrastructure and networks or software and applications.

**LEVEL 3** **DIGITAL SUPPORT  
TECHNICIAN  
(LEVEL 3) V1.1**

- » LARS Code: 439
- » ST Number: ST0120
- » Funding: £13,000
- » Duration: 15 months

**DIGITAL SUPPORT  
TECHNICIAN**

Essential in supporting organisations to effectively implement digital technologies to maximise productivity across all their business functions.

**LEVEL 3** **INFORMATION  
COMMUNICATIONS  
TECHNICIAN  
(LEVEL 3) V1.2**

- » LARS Code: 618
- » ST Number: ST0973
- » Funding: £15,000
- » Duration: 18 months

**INFORMATION  
COMMUNICATIONS  
TECHNICIAN**

Providing front line technical support and using excellent communications skills to convert technical information to meaningful language for stakeholders.

**LEVEL 3** **DIGITAL DEVICE  
REPAIR TECHNICIAN  
(LEVEL 3) V1.0**

- » LARS Code: 752
- » ST Number: ST0682
- » Funding: £11,000
- » Duration: 21 months

**DIGITAL DEVICE REPAIR  
TECHNICIAN**

Managing the process of repairs to digital devices and replace device parts from end to end.

**LEVEL 4** **NETWORK ENGINEER  
(LEVEL 4) V1.2**

- » LARS Code: 1
- » ST Number: ST0127
- » Funding: £17,000
- » Duration: 30 months

**NETWORK ENGINEER**

Deals with the hardware and software required, in both physical and virtual networks, to support businesses to collaborate digitally.

**LEVEL 4** **APPLICATIONS  
SUPPORT LEAD  
(LEVEL 4) V1.0**

- » LARS Code: 663
- » ST Number: ST0949
- » Funding: £17,000
- » Duration: 24 months

**APPLICATIONS SUPPORT  
LEAD**

Provides technical support and advice. Using excellent communication, analytical and problem-solving skills can implement new technologies and upgrade existing technologies effectively across a business.

# SOFTWARE DEVELOPMENT

BRING YOUR INNOVATION, CREATIVITY, AND PROBLEM-SOLVING SKILLS TO ONE OF THESE GAME-CHANGING ROLES AND START BUILDING THE FUTURE!



**LEVEL 3** 

**SOFTWARE DEVELOPMENT TECHNICIAN (LEVEL 3) V1.1**

- » LARS Code: 154
- » ST Number: ST0128
- » Funding: £15,000
- » Duration: 18 months


**SOFTWARE DEVELOPER TECHNICIAN**  
Working as part of a larger team writing simple code across front end, logic and database layers that meet agreed standards.

**LEVEL 4** 

**DEVOPS ENGINEER (LEVEL 4) V1.1**

- » LARS Code: 548
- » ST Number: ST0825
- » Funding: £17,000
- » Duration: 24 months


**DEVOPS ENGINEER**  
Combining IT operations and software development giving businesses much needed skills to better integrate their development and operations teams.


**LEVEL 4** 

**SOFTWARE DEVELOPER (LEVEL 4) V1.1**

- » LARS Code: 2
- » ST Number: ST0116
- » Funding: £18,000
- » Duration: 24 months

**SOFTWARE DEVELOPER**  
Builds, test and deploys code across front end, logic and database layers that meet agreed standards, typically working as part of a team.


Essential Reading: [Software Development in Practice](#) 

**LEVEL 4** 

**SOFTWARE TESTER (LEVEL 4) V1.1**

- » LARS Code: 91
- » ST Number: ST0129
- » Funding: £18,000
- » Duration: 24 months

**SOFTWARE TESTER**  
Working across the software lifecycle, designing, and preparing test plans and testing to ensure software is fit for purpose.

Essential Reading: [Software Testing](#) 

**76% OF SOFTWARE TESTERS EXPECTED THEIR SPECIALISM TO BECOME MORE INFLUENTIAL**

BCS UK professional certification market research 2021

A woman with red hair, wearing a grey blazer, is pointing at a laptop screen in a meeting. She has an open mouth as if speaking or explaining something. The background is blurred, showing other people in a meeting room. The overall color scheme is teal and green.

# DIGITAL MARKETER

LEARN HOW TO CREATE AND  
IMPLEMENT POWERFUL  
MARKETING CAMPAIGNS FOR YOUR  
ORGANISATION IN THIS DYNAMIC,  
IN-DEMAND BUSINESS ROLE.

**LEVEL 3**



**MULTI-CHANNEL  
MARKETER  
(LEVEL 3) V1.0**

- » LARS Code: 737
- » ST Number: ST1031
- » Funding: £11,000
- » Duration: 18 months

**MULTI-CHANNEL  
MARKETER**

Supporting customer focussed marketing activities that build demand and sales for a service or product through awareness raising and/or perception.

Essential Reading:  
**Digital Marketer**



**LEVEL 4**



**DIGITAL COMMUNITY  
MANAGER  
(LEVEL 4) V1.0**

- » LARS Code: 491
- » ST Number: ST0345
- » Funding: £13,000
- » Duration: 24 months

**DIGITAL COMMUNITY  
MANAGER**

Creating positive engagements with customers and end users online, representing the company's brand when handling comments and enquiries.

Essential Reading:  
**Digital Marketer**





# WORKING WITH IT

**LEVEL 3**



**IT TECHNICAL SALESPERSON (LEVEL 3) V1.0**

- » LARS Code: 142
- » ST Number: ST0115
- » Funding: £12,000
- » Duration: 12 months

**IT TECHNICAL SALES PERSON**

Selling an organisation's technical products and services, creating and maintaining good relationships with clients and having knowledge and understanding of their portfolios and emerging technologies.

**LEVEL 3**



**CONTENT CREATOR (LEVEL 3) V1.1**

- » LARS Code: 174
- » ST Number: ST0105
- » Funding: £10,000
- » Duration: 15 months

**CONTENT CREATOR**

Developing and creating written and/or audio-visual content that can be used across a variety of platforms and media from social media, broadcast, print and beyond.

**LEVEL 4**



**DIGITAL ACCESSIBILITY SPECIALIST (LEVEL 4) V1.0**

- » LARS Code: 643
- » ST Number: ST0863
- » Funding: £16,000
- » Duration: 24 months

**DIGITAL ACCESSIBILITY SPECIALIST**

Providing advice on accessibility best practice, helping organisations to meet internal, national, and international standards and legislation.

**LEVEL 4**



**DIGITAL PRODUCT MANAGER (LEVEL 4) V1.0**

- » LARS Code: 705
- » ST Number: ST0964
- » Funding: £18,000
- » Duration: 24 months

**DIGITAL PRODUCT MANAGER**

Driving and managing digital products of all kinds from systems to services and more, through the complete product lifecycle.

**LEVEL 5**



**DIGITAL LEARNING DESIGNER (LEVEL 5) V1.0**


- » LARS Code: 709
- » ST Number: ST0974
- » Funding: £16,000
- » Duration: 24 months

**DIGITAL LEARNING DESIGNER**

Designing and developing different products and/or initiatives, from online courses to virtual simulations and beyond, addressing a wide range of educational and business needs.

A man with short brown hair, wearing a white button-down shirt and a black lanyard with a blue ID badge, is looking down at a tablet computer he is holding with both hands. He is in a server room, with rows of server racks visible in the background, illuminated by blue light. The overall mood is professional and focused.


# DATA

**LEVEL 4** 

**DATA PROTECTION AND INFORMATION GOVERNANCE PRACTITIONER (LEVEL 4) V1.1**

- » LARS Code: 676
- » ST Number: ST0967
- » Funding: £10,000
- » Duration: 18 months


**DATA PROTECTION AND INFORMATION GOVERNANCE PRACTITIONER**  
 Providing regulatory and technical guidance for information governance (IG) and data protection (DP) requirements, giving assurance to relevant internal stakeholders and external regulators.

**LEVEL 4** 

**DIGITAL FORENSIC TECHNICIAN (LEVEL 4) V1.1**

- » LARS Code: 702
- » ST Number: ST1343
- » Funding: £18,000
- » Duration: 24 months

**DIGITAL FORENSIC TECHNICIAN**  
 Supporting the appropriate capture, preservation, and initial processing of digital evidence across a range of case types.

**LEVEL 5** 


**DATA ENGINEER (LEVEL 5) V1.0**

- » LARS Code: 746
- » ST Number: ST1386
- » Funding: £19,000
- » Duration: 24 months

**DATA ENGINEER**  
 Build systems that collect, manage, and convert data into usable information for data scientists, data analysts and business intelligence analysts to interpret.

**87% OF INFORMATION SECURITY WORKERS PREDICTED THAT THEIR SPECIALISM WOULD BECOME MORE INFLUENTIAL**

BCS UK professional certification market research 2021

**BROWSE OUR BOOKS ON DATA** 

# TRANSFORMATION



## LEVEL 4



### GOVERNANCE OFFICER (LEVEL 4) V1.0

- » LARS Code: 710
- » ST Number: ST1302
- » Funding: £11,000
- » Duration: 18 months

#### GOVERNANCE OFFICER

Provide and manage an organisation's governance and governance operations- related services.

## LEVEL 7



### SENIOR LEADER (LEVEL 7) V1.2

- » LARS Code: 236
- » ST Number: ST0480
- » Funding: £14,000
- » Duration: 24 months

#### SENIOR LEADER

A leader who has senior management responsibility.



**74% OF IT PROFESSIONALS SURVEYED SAID THAT THEIR ORGANISATIONS WOULD PAY FOR THEIR CERTIFICATION**

BCS UK professional certification market research 2021



# INDUSTRY PROFESSIONAL CERTIFICATION

BCS Professional Certifications have been developed for industry by industry for over 25 years and are delivered globally. Our certifications are aligned to the industry IT framework SFIPlus\* and provide an industry recognised pathway that supports applications for Chartered IT professional (CITP) – the pinnacle of IT

professionalism. Our aim is to support technological advancements and the people who deliver them, with the required knowledge, skills, and behaviours essential in every type of organisation and industry.

To support industry skills, our portfolio is ever evolving and consists of over 95 certifications

in topics including Software Testing, Architecture, Business Analysis, and AI.

Plus, when you complete a professional certification with us, you can get your first year of BCS membership for free.

BCS professional certifications also enhance Higher Education programmes, giving under-graduates recognised industry credentials, whilst enhancing their employment prospects, and will also support those who are working or studying in early careers, such as a digital apprenticeship, or a career-changer. We have pathways for those who are already established and working in digital roles today. Our advanced certification, including some of our new modular Awards have been designed specifically for business leaders, to keep their knowledge, leadership skills and competence attuned to the rapid digital changes we are now seeing in every business, helping them successfully lead teams and/or deliver digital transformation within their own organisations.

## 95+ CERTIFICATIONS IN TOPICS INCLUDING SOFTWARE TESTING, ARCHITECTURE, BUSINESS ANALYSIS, AND AI

**92% RESPONDENTS  
STATED SKILLS  
QUALIFICATIONS  
IN THEIR AREA ARE  
IMPORTANT TO THEM  
PERSONALLY\*\***

**\*\*BCS Professional  
Certifications Market  
Research 2021**

\*SFIA - the skills framework for the information age - is a globally-recognised standard, developed by industry experts and backed by Government as best practice for identifying and developing IT capability. SFIAplus was developed by BCS to bring the SFIA framework to life, adding detailed training and development resources. For each SFIA skill at each level, SFIAplus offers six additional task definitions and eight additional skills resources.

The result is the industry's most established and widely adopted IT skills model, enabling both employers and practitioners to identify career pathways and plan development aligned with business transformation.

**FURTHER INFORMATION ON INDUSTRY  
PROFESSIONAL CERTIFICATION**







# AGILE

**THIS COMPREHENSIVE AGILE CERTIFICATION PROGRAMME PROVIDES A COMPLETE AGILE LEARNING PATHWAY. IT SETS AN INDUSTRY BENCHMARK THAT SUPPORTS AGILE TRANSFORMATION TO DELIVER VALUE ACROSS YOUR ORGANISATION STRAIGHT AWAY.**

# AGILE

## FOUNDATION


### BCS FOUNDATION CERTIFICATE IN AGILE

Gain a solid understanding of the concepts and values of Agile by challenging conventional methods and thinking.

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- Business & IT professionals
- Open to all

Essential Reading:  
[Agile From First Principles](#) 

## PRACTITIONER

### BCS EXIN PRACTITIONER CERTIFICATE IN AGILE SCRUM MASTER

Learn all you need to successfully adopt and facilitate Agile or Scrum in your workplace with this practitioner certificate.

- » INDUSTRY LEVEL - SFIPlus Level 4
- » ENTRY REQUIREMENTS - BCS EXIN Foundation Certificate in Agile Scrum recommended.

#### WHO IS IT FOR?

- Scrum Master
- Product Owner
- Internal Coach
- Leaders
- Directors
- Architect
- Developers
- QA
- Tester
- UI or UX Designer

## FOUNDATION

### BCS EXIN FOUNDATION CERTIFICATE IN AGILE SCRUM

Gain a unique certification that combines Agile service management techniques and Scrum development frameworks.

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- Project Managers
- IT Service Managers
- Business Managers
- Product Managers
- Software Developers

## PRACTITIONER

### BCS EXIN PRACTITIONER CERTIFICATE IN AGILE SCRUM PRODUCT OWNER

Gain a certificate that provides product owners with knowledge and skills of the Agile framework and Scrum methodology - ensuring you can deliver maximum value for the customer and value for your business.

- » INDUSTRY LEVEL SFIPlus Level 4
- » ENTRY REQUIREMENTS Candidates are required to complete the BCS EXIN Foundation Certificate in Agile Scrum.

#### WHO IS IT FOR?

- Project Manager
- Product Managers
- Developers
- IT Service Managers
- Business Managers

## PRACTITIONER

### BCS EXIN PRACTITIONER CERTIFICATE IN AGILE SCRUM PRODUCT OWNER (BRIDGE)

Transition from a certified Scrum Master to an Agile Product Owner with this tailored 'bridging course' designed to confirm skills and knowledge of the Agile framework and Scrum methodology, specifically with the Product Owner role in mind.

- » INDUSTRY LEVEL SFIPlus Level 4
- » ENTRY REQUIREMENTS Candidates are required to already hold the BCS EXIN Agile Scrum Master Certificate, or Advanced Certified ScrumMaster™ (A-CSM).

#### WHO IS IT FOR?

- Project Manager
- Product Managers
- Developers
- IT Service Managers
- Business Managers

## PRACTITIONER

### BCS PRACTITIONER CERTIFICATE IN DIGITAL PRODUCT MANAGEMENT

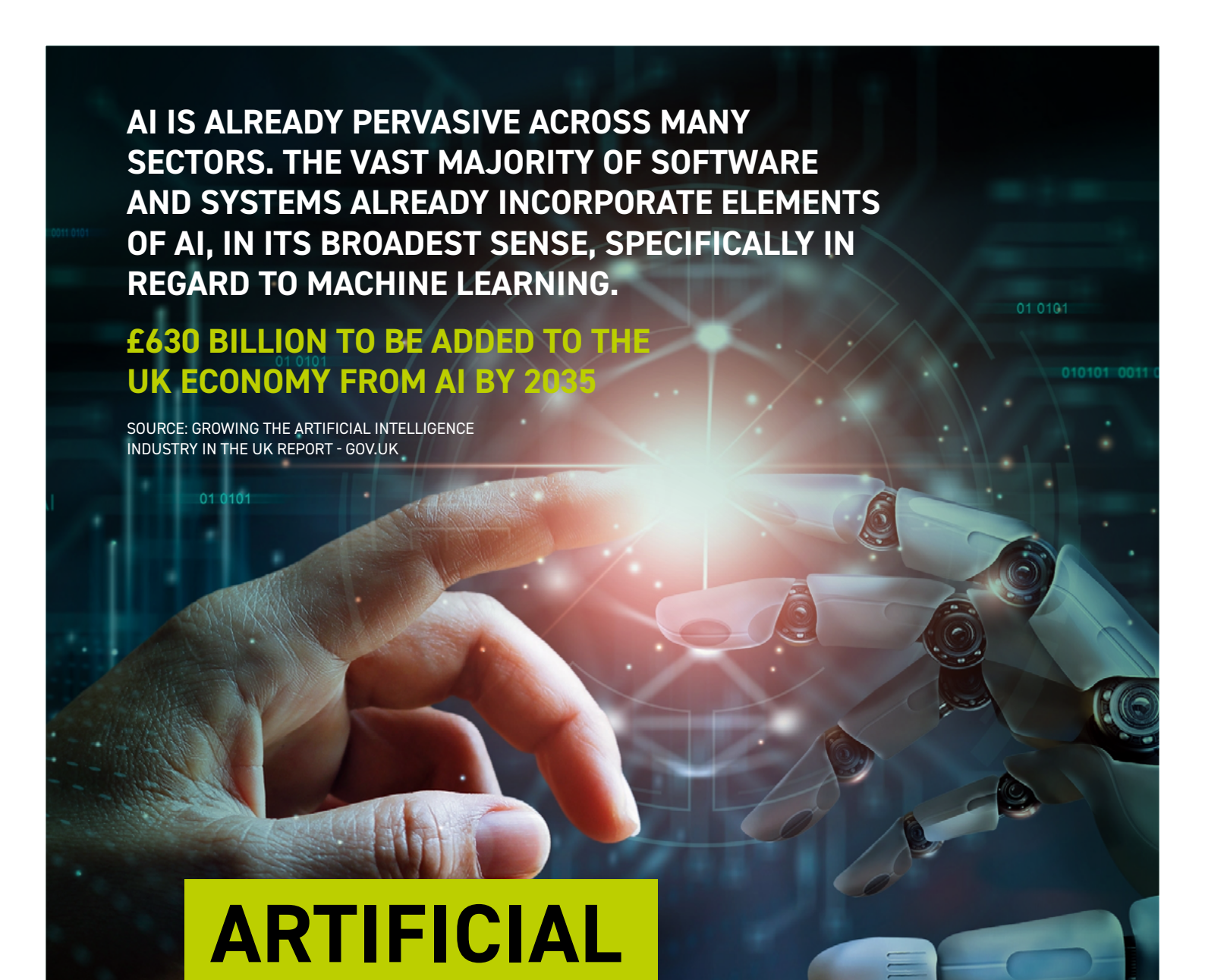
Increase your product management expertise by exploring digital product management skills and techniques – independent of any specific framework.

- » INDUSTRY LEVEL SFIPlus Level 4
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- Product Managers
- Project Manager
- Product Owner

Essential Reading:  
Digital Product Management 



**AI IS ALREADY PERVASIVE ACROSS MANY SECTORS. THE VAST MAJORITY OF SOFTWARE AND SYSTEMS ALREADY INCORPORATE ELEMENTS OF AI, IN ITS BROADEST SENSE, SPECIFICALLY IN REGARD TO MACHINE LEARNING.**

**£630 BILLION TO BE ADDED TO THE UK ECONOMY FROM AI BY 2035**

SOURCE: GROWING THE ARTIFICIAL INTELLIGENCE INDUSTRY IN THE UK REPORT - GOV.UK

# ARTIFICIAL INTELLIGENCE

In such a fast-moving and complex field, the challenge is in understanding the evolving uses of AI and the far-reaching ethical implications. The reality today is that AI is being implemented by teams and organisations who don't yet comprehend its potential. By the same token, consumers are adopting AI technology without knowing the true impact it could be having on their lives.

Check out our online CPD course - BCS Foundation Certificate in the Ethical Build of AI

This course introduces the key issues in ethical AI and equips you to design and build AI ethically, navigating risks from security to human rights. Alternatively, each module is available to purchase as a standalone course. Choose from:

- **An ethical framework for using AI**
- **Innovating ethically with AI to drive business change**
- **Data privacy, governance and policy in AI**
- **Data architecture, sustainability and ethics**
- **Building and testing AI solutions**





## ESSENTIALS




### BCS ESSENTIALS CERTIFICATE IN ARTIFICIAL INTELLIGENCE

Take your first steps in AI training to understand the principles of AI, its benefits and risks, and the processes behind machine learning.

- » INDUSTRY LEVEL SFIPlus Level 2
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- Anyone with an interest in (or a need to implement) AI in an organisation
- Middle and senior managers running teams to create AI dependent applications and services

Essential Reading:  
Artificial Intelligence and  
Machine Learning Foundations 

## FOUNDATION




### BCS FOUNDATION CERTIFICATE IN ARTIFICIAL INTELLIGENCE

Take the next step in developing your knowledge and understanding of artificial intelligence with this certificate. Learn the general principles of AI, its potential implications and capabilities, and how to assess AI products and services from multiple angles.

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- Engineers
- Scientists
- Organisational change practitioners
- Service architects
- Programme and planning managers
- Web developers

Essential Reading:  
Artificial Intelligence and  
Machine Learning Foundations 

BROWSE OUR ARTIFICIAL  
INTELLIGENCE BOOKS





# ARTIFICIAL INTELLIGENCE FOUNDATION PATHWAY

This highly accessible learning pathway supports candidates looking to work in the field of artificial intelligence, as well as other IT and business professionals who need to understand how AI affects their role and organisation.

Choose from 13 awards set within four key areas of AI:

- **Business Innovation**
- **Data**
- **Ethics**
- **Machine Learning and Other AI Techniques**

Each of the 13 awards is a qualification in its own right, carrying between 3 and 5 credits.

By taking four awards (20 credits), one in each key area, you'll gain a Foundation Certificate in AI.

Continuing further along the pathway, by taking eight awards (36 credits) you can achieve a Foundation Diploma in AI.

## BUSINESS INNOVATION

Explore different types of organisations and their uses of AI, the challenges, and opportunities they might face, and whether AI can offer the right solutions.

### BCS FOUNDATION AWARD – HOW AI CAN SUPPORT YOUR ORGANISATION

» CREDITS 5

#### WHO IS IT FOR?

- Individuals
- AI roles
- Digital Leaders
- Professionals looking to future-proof their business and careers

### BCS FOUNDATION AWARD – HOW TO MANAGE RISK

» CREDITS 4

#### WHO IS IT FOR?

- Anyone who implements digital technology

### BCS FOUNDATION AWARD – UNDERSTANDING THE PROBLEM AND IMPLEMENTING THE SOLUTION

» CREDITS 4

#### WHO IS IT FOR?

- Digital leaders/professionals who need new solutions

## DATA

Candidates learn how data enables AI to perform, how it's cleaned, structured and stored - and specifically focusing on machine learning how to use data in the right way, work with security protocols and tackle issues around ethics.

### BCS FOUNDATION AWARD – UNDERSTANDING DATA IN YOUR ORGANISATION

» CREDITS 5

#### WHO IS IT FOR?

- Anyone in a data role
- Professionals working in AI/machine learning
- Anyone wanting to understand dependence on data and machine learning

### BCS FOUNDATION AWARD – BIG DATA

» CREDITS 4

#### WHO IS IT FOR?

- Anyone in an analytical/research role
- Digital progressors
- Professionals – science, engineering, finance, education, or IT services
- Anyone interested in Big Data

### BCS FOUNDATION AWARD – DATA VISUALISATION

» CREDITS 3

#### WHO IS IT FOR?

- Anyone in research / analytical roles
- Digital professionals looking to understand the relationship between data and decision making

## ETHICS

AI's ability to learn, replicate and predict means it will have a considerable impact on society and our environment if we don't approach it ethically, sustainably and with clear governance. This set of awards explores the impact of decision-making and is vital learning for any forward-thinking IT professional.

### BCS FOUNDATION AWARD - UNDERSTANDING ETHICAL PRINCIPLES IN THE IT PROFESSION

» CREDITS 5

#### WHO IS IT FOR?

- All IT Professionals
- Business leaders who need clear sight of how ethics impacts their work
- Consumers

### BCS FOUNDATION AWARD - UNDERSTANDING THE ROLE OF ETHICS IN THE RESPONSIBLE USE OF AI

» CREDITS 4

#### WHO IS IT FOR?

- All IT Professionals
- Business leaders who need clear sight of how ethics impacts their work
- Consumers

# MACHINE LEARNING AND OTHER AI TECHNIQUES

Big data, patterns, smart products, robotics, automation, knowledge-based systems and more - a firm understanding of these aspects, their role and how they affect business, products and services is crucial. Candidates learn which techniques are required to help businesses make the right decisions, and how they need to be implemented to be successful.

## BCS FOUNDATION AWARD - AI AND THE DIGITAL ECO SYSTEM

» CREDITS 5

### WHO IS IT FOR?

- Those responsible for business transformation
- IT Practitioners transitioning into AI/ Machine learning
- Anyone who wants to understand AI and its societal impact

## BCS FOUNDATION AWARD - KNOWLEDGE BASED SYSTEMS

» CREDITS 5

### WHO IS IT FOR?

- Professionals who need to build technical AI knowledge
- Career progressors in AI
- Individuals with a background in science, education, engineering, finance, or IT services

## BCS FOUNDATION AWARD - GENERATIVE AI

» CREDITS 3

### WHO IS IT FOR?

- Anyone who wants to learn more about using generative AI.
- Individuals or organisations who want to ethically improve their efficiency with using generative AI, to meet the objectives of their role or their organisation's aims.
- This course could be particularly relevant for people in the following roles: content creators, designers, developers, project managers, product managers, copywriters, chief information officers, change practitioners, business consultants and leaders of people.

## BCS FOUNDATION AWARD - SMART PRODUCTS, ROBOTICS AND AUTOMATION

» CREDITS 4

### WHO IS IT FOR?

- Digital professionals looking to build their technical knowledge
- Career progressors in AI
- Individuals interested in AI with a background in science, education, engineering, finance or IT services

## BCS FOUNDATION AWARD - MACHINE LEARNING

» CREDITS 5

### WHO IS IT FOR?

- Anyone looking to build their AI technical understanding
- Career progressors in AI
- Individuals interested in AI with a background in science, education, engineering, finance, or IT services

# BUSINESS ANALYSIS

We offer a full pathway to develop your skills in business analysis, whether you're new to the discipline and want to develop a broad understanding or you're a senior Business Analyst looking for a certification to demonstrate your expertise. Our certifications equip you to achieve your ambitions all the way up to a senior level, and you could ultimately gain Chartered IT Professional (CITP) status.

Explore our full Business Analysis pathway:



Have you considered an apprenticeship?

Business Analyst (Level 4) V1.1



Why not check out our online CPD course?

The Business Analyst: Innovation, Adaptability & Mindset



Browse our Business Analysis Books



A man with glasses and a beard is leaning over a desk, looking at a laptop. A woman with curly hair is also leaning over the desk, pointing at the laptop screen with a pen. The scene is dimly lit, suggesting an office or meeting room at night. The overall tone is professional and collaborative.

**ATTAIN A LEADING BUSINESS ANALYSIS  
CERTIFICATION AND DEMONSTRATE THAT  
YOU'VE MET THE HIGH STANDARDS SET  
BY BCS, THE CHARTERED INSTITUTE  
FOR IT. OVER 100,000 PROFESSIONALS  
WORLDWIDE ARE CERTIFIED WITH BCS.**

## FOUNDATION


### FOUNDATION CERTIFICATE IN BUSINESS ANALYSIS

Take your first step on your business analysis career path by attaining a certification that employers around the world respect and value

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS No entry requirements

#### WHO IS IT FOR?

- Business analysts
- Business managers and members of their team
- Business change managers
- Project managers

Essential Reading:  
Business Analysis Techniques 

## FOUNDATION

### FOUNDATION CERTIFICATE IN DIGITAL BUSINESS CHANGE

Gain an entry-level qualification by understanding the processes and techniques used in delivering business change

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS No entry requirements

#### WHO IS IT FOR?

- Business analysts
- Business managers and members of their team
- Business change managers
- Project managers

## FOUNDATION

### FOUNDATION CERTIFICATE IN ORGANISATIONAL BEHAVIOUR

Underpin your understanding of business finance and organisational behaviour

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS No entry requirements

#### WHO IS IT FOR?

- Business analysts
- Subject Matter Experts
- Project managers
- Business managers
- Product owners

## FOUNDATION

### BCS FOUNDATION CERTIFICATE IN IS PROJECT MANAGEMENT

Understand the principles of project management and techniques to support industry good practice complementary to PRINCE2®.

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS No formal entry requirements, although the candidate is expected to have basic working knowledge of IT.

#### WHO IS IT FOR?

- Anyone involved in or affected by IT projects; this extends to users, buyers, and directors.




**PRACTITIONER** **PRACTITIONER CERTIFICATE IN BUSINESS ANALYSIS PRACTICE**

Take your career to the next level by learning how to support successful business change

- » INDUSTRY LEVEL SFIPlus Level 4
- » ENTRY REQUIREMENTS No entry requirements

**WHO IS IT FOR?**

- Business analysts
- Business managers & team
- Business change managers
- Project managers

Essential Reading:  
Business Analysis Techniques 


**PRACTITIONER** **PRACTITIONER CERTIFICATE IN BENEFITS MANAGEMENT AND BUSINESS ACCEPTANCE**

Demonstrate how a rigorous approach to benefits management ensures successful software solutions delivery

- » INDUSTRY LEVEL SFIPlus Level 4
- » ENTRY REQUIREMENTS No entry requirements

**WHO IS IT FOR?**

- Business analysts
- Business managers & team
- Business change managers
- Project managers

Essential Reading:  
Business Analysis 


**PRACTITIONER** **PRACTITIONER CERTIFICATE IN MODELLING BUSINESS PROCESSES**

Demonstrate you can apply practical business analysis techniques that can help to improve your business processes

- » INDUSTRY LEVEL SFIPlus Level 4
- » ENTRY REQUIREMENTS No entry requirements

**WHO IS IT FOR?**

- Business analysts
- Business managers & team
- Business change managers
- Project managers

Essential Reading:  
Business Analysis 

**PRACTITIONER** **PRACTITIONER CERTIFICATE IN DATA MANAGEMENT ESSENTIALS**

Demonstrate how to implement good practice in data management

- » INDUSTRY LEVEL SFIPlus Level 4
- » ENTRY REQUIREMENTS No entry requirements

**WHO IS IT FOR?**

- Business analysts
- Business managers & team
- Business change managers
- Project managers

Essential Reading:  
Principles of Data Management 

## PRACTITIONER




### PRACTITIONER CERTIFICATE IN REQUIREMENTS ENGINEERING

Learn how to take a best practice approach to defining business requirements

- » INDUSTRY LEVEL SFIplus Level 4
- » ENTRY REQUIREMENTS No entry requirements

#### WHO IS IT FOR?

- Business analysts
- Project managers
- System analysts
- Product owners
- Product managers

Essential Reading:  
Business Analysis 

## INTERNATIONAL DIPLOMA



### INTERNATIONAL DIPLOMA IN BUSINESS ANALYSIS

Attain an internationally-recognised certification. Choose to work towards the Diploma module by module, or take all the modules together in a bundled training programme.

Available once four modules have been completed plus an oral examination

- » Complete two Core Modules: Business Analysis and Practice and Requirements Engineering
- » Select one of the Foundation modules
- » Select one of the Practitioner modules

#### WHO IS IT FOR?

- The International Diploma is designed for business and IT professionals who want to demonstrate they have a detailed understanding of business analysis best practice
- Can be used to support a Business Analyst Apprenticeship.

## PROFESSIONAL



### BCS PROFESSIONAL CERTIFICATE IN ADVANCED REQUIREMENTS ENGINEERING

Gain a deeper understanding of the requirements engineering framework

- » INDUSTRY LEVEL SFIPlus Level 5
- » ENTRY REQUIREMENTS No entry requirements, but we recommend that candidates have gained the BCS Practitioner Certificate in Requirements Engineering first.

#### WHO IS IT FOR?

- Business architects
- Business analysts
- Project managers
- Business managers & team

## PROFESSIONAL



### BCS PROFESSIONAL CERTIFICATE IN AGILE BUSINESS ANALYSIS

Understand and apply the philosophy, methods, principles and techniques of Agile within the business analysis approach

- » INDUSTRY LEVEL SFIPlus Level 5
- » ENTRY REQUIREMENTS No entry requirements

#### WHO IS IT FOR?

- Business architects
- Business analysts
- Project managers
- Business managers & team

Essential Reading: [Agile and Business Analysis](#)

## PROFESSIONAL



### BCS PROFESSIONAL CERTIFICATE IN BENEFITS PLANNING AND REALISATION

Demonstrate you can apply the process and techniques used to plan, manage and realise business benefits

- » INDUSTRY LEVEL SFIPlus Level 5
- » ENTRY REQUIREMENTS No entry requirements

#### WHO IS IT FOR?

- Business architects
- Business analysts
- Project managers
- Business managers & team

## PROFESSIONAL



### BCS PROFESSIONAL CERTIFICATE IN BUSINESS ANALYSIS SERVICE DELIVERY

This certification is focussed on setting up and running an effective Business Analysis Service and includes setting strategy, defining services provided, and continuous improvement of the service

- » INDUSTRY LEVEL SFIPlus Level 5
- » ENTRY REQUIREMENTS No entry requirements

#### WHO IS IT FOR?

- Senior and lead business analysts
- Business analysis managers and leaders
- Practice leaders
- Heads of profession
- Service delivery managers
- Change managers

## PROFESSIONAL


### BCS PROFESSIONAL CERTIFICATE IN BUSINESS ARCHITECTURE

What is a business architect and how can you become one? Take our Business Architecture certification to support business change programmes in your organisation.

- » INDUSTRY LEVEL SFIPlus Level 5
- » ENTRY REQUIREMENTS No entry requirements

#### WHO IS IT FOR?

- Business architects
- Business analysts
- Project managers
- Business change managers
- Business managers & team

Essential Reading:  
Modelling Business Information 

## PROFESSIONAL


### BCS PROFESSIONAL CERTIFICATE IN BUSINESS FINANCE

Demonstrate your financial management and analysis skills with this internationally recognised certification

- » INDUSTRY LEVEL SFIPlus Level 5
- » ENTRY REQUIREMENTS No entry requirements

#### WHO IS IT FOR?

- Business architects
- Business analysts
- Project managers

Essential Reading:  
Finance for IT Decision Makers 

## PROFESSIONAL


### BCS PROFESSIONAL CERTIFICATE IN DATA ANALYSIS

Define data requirements, demonstrating a detailed understanding and rigour. Illustrate the benefits and uses of data analysis and the techniques applied when analysing business data

- » INDUSTRY LEVEL SFIPlus Level 5
- » ENTRY REQUIREMENTS No entry requirements

#### WHO IS IT FOR?

- Business analysts
- Systems Analysts
- Technical or solutions architects

Essential Reading:  
Modelling Business Information 

## PROFESSIONAL

### BCS PROFESSIONAL CERTIFICATE IN STAKEHOLDER ENGAGEMENT

Discover how to use and implement key frameworks and techniques when working with stakeholders to ensure business acceptance of your projects.

- » INDUSTRY LEVEL SFIPlus Level 5
- » ENTRY REQUIREMENTS No entry requirements

#### WHO IS IT FOR?

- Anyone responsible for engaging in or managing stakeholder relationships in a business change environment

## PROFESSIONAL



### BCS PROFESSIONAL CERTIFICATE IN TEAM LEADERSHIP

Demonstrate your leadership ability with our internationally recognised team leadership certification

- » INDUSTRY LEVEL SFIplus Level 5
- » ENTRY REQUIREMENTS No entry requirements, but we recommend that candidates have gained the BCS Practitioner Certificate in Requirements Engineering first.

#### WHO IS IT FOR?

- Business analysts
- Project managers
- Product Managers
- Business managers

## CONSULTANT



### ADVANCED INTERNATIONAL DIPLOMA IN BUSINESS ANALYSIS

Gain independent, industry-wide recognition as a senior business analyst by demonstrating your experience, expertise and contribution to the BA profession.

- » ENTRY REQUIREMENTS
  - » BCS International Diploma in Business Analysis
  - » BCS Professional level BA certificates in each of the analytical, business and people skills specialisms
  - » Additional BCS Professional level BA certificate in either the analytical or business skills specialism
  - » At least five years' BA experience

#### WHO IS IT FOR?

- Experienced senior business analysts

## EXPERT



### EXPERT BA AWARD

Validate your high-level business analysis skills and expertise by achieving the Expert BA Award, endorsed by BCS in partnership with the BA Manager Forum (BAMF) and Chartered Management Institute (CMI).

- » ENTRY REQUIREMENTS Prerequisite certification and proven core and specialist BA skills

#### WHO IS IT FOR?

- Senior business analysts

# DEVOPS

**LOOKING FOR SMOOTHER WORKFLOWS AND FASTER DEPLOYMENT? THE BCS DEVOPS CERTIFICATION OFFERS THE IDEAL INTRODUCTION FOR INDIVIDUALS AND ORGANISATIONS MAKING THE MOVE TO THE DEVOPS WAY OF WORKING.**

## FOUNDATION



### BCS FOUNDATION LEVEL CERTIFICATE IN DEVOPS

Develop your understanding of DevOps methodology, tools and practices, and how to deliver applications and services more effectively.

- » INDUSTRY LEVEL SFIPlus Level 1-3
- » ENTRY REQUIREMENTS No formal entry requirements

#### WHO IS IT FOR?

- Automation architect
- Cloud infrastructure engineer
- Software developer
- Software tester
- Security engineer
- Database administrator
- Product owner

# INFORMATION SECURITY AND DATA PROTECTION

OUR INFORMATION SECURITY AND DATA PROTECTION PORTFOLIO PROVIDES YOU WITH THE KNOWLEDGE AND SKILLS DEVELOPMENT NEEDED TO MAKE A VALUABLE IMPACT IN THIS CRITICAL AREA OF THE BUSINESS.





## ESSENTIALS



### BCS EXIN ESSENTIALS CERTIFICATE IN BLOCKCHAIN

Take your first steps in blockchain training to understand the basics of blockchain, as well its challenges, applications and innovations.

- » INDUSTRY LEVEL SFIPlus Level 2
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- Anyone who wants to understand blockchain

## FOUNDATION



### BCS FOUNDATION CERTIFICATE IN DATA PROTECTION

Explore the application of current data protection laws, including the EU General Data Protection Regulation (GDPR), UK GDPR and the UK Data Protection Act 2018.

- » INDUSTRY LEVEL SFIPlus Level 1-2
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- Anyone who needs to understand data protection and GDPR

## FOUNDATION



### BCS FOUNDATION CERTIFICATE IN INFORMATION SECURITY MANAGEMENT PRINCIPLES

Gain a clear understanding of IS management issues including risk management, security standards, legislation and business continuity.

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- Anyone with an interest in information security

Essential Reading:  
Information Security Management Principles 

## FOUNDATION



### BCS EXIN FOUNDATION CERTIFICATE IN BLOCKCHAIN

Gain a clear understanding of the basic concepts of blockchain and the potential fields of application, as well as the potential value for the organisation and the technology driving blockchain.

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS No formal entry requirements but it is advisable to complete the BCS EXIN Essentials Certificate in Blockchain.

#### WHO IS IT FOR?

- Anyone who wants to understand blockchain

**PRACTITIONER** **BCS PRACTITIONER CERTIFICATE  
IN DATA PROTECTION**

For experienced Data Protection professionals, and those candidates that want to build on the BCS Foundation Certificate, you can gain a broader and deeper understanding of current laws, including the EU GDPR, UK GDPR, and the UK Data Protection Act 2018, and how they need to be applied in your organisation.

- » INDUSTRY LEVEL SFIPlus Level 4-5
- » ENTRY REQUIREMENTS  
BCS Foundation Certificate in Data Protection, though this is not mandatory

**WHO IS IT FOR?**

- Anyone with responsibility for Data Protection

Essential Reading:  
Data Protection and Compliance 

**PRACTITIONER** **BCS PRACTITIONER CERTIFICATE  
IN FREEDOM OF INFORMATION**

Understand how to instil robust information practices, based on the Freedom of Information Act 2000, and the implications for your organisation.

- » INDUSTRY LEVEL SFIPlus Level 4-5
- » ENTRY REQUIREMENTS  
No formal requirements, but some knowledge of the FOI law and applying this in a work context would be beneficial

**WHO IS IT FOR?**

- Information managers or Freedom of Information (FOI) practitioners

**PRACTITIONER** **BCS PRACTITIONER CERTIFICATE  
IN INFORMATION ASSURANCE  
ARCHITECTURE**

In line with your CCP training, learn more about building an architecture that meets business requirements while mitigating risk.

- » INDUSTRY LEVEL SFIPlus Level 4-5
- » ENTRY REQUIREMENTS No formal entry requirements

**WHO IS IT FOR?**

- Security professionals or anyone looking to work in the field of security architecture

**PRACTITIONER** **BCS PRACTITIONER CERTIFICATE  
IN INFORMATION RISK  
MANAGEMENT**

Take a hands-on approach to learning about information risk management, in the context of current standards including the ISO 27000 series.

- » INDUSTRY LEVEL SFIPlus Level 4-5
- » ENTRY REQUIREMENTS No formal entry requirements

**WHO IS IT FOR?**

- Anyone who is involved in the areas of information security and information assurance

Essential Reading:  
Information Risk Management 

IT

# ARCHITECTURE

We offer a full pathway to develop your skills in IT architecture, whether you want to get to grips with the fundamentals, become a specialist, or advance your knowledge and apply it to different contexts. Our certifications equip you to achieve your ambitions all the way up to a senior level, and you could ultimately gain Chartered IT Professional (CITP) status.

Explore our full IT Architecture pathway:



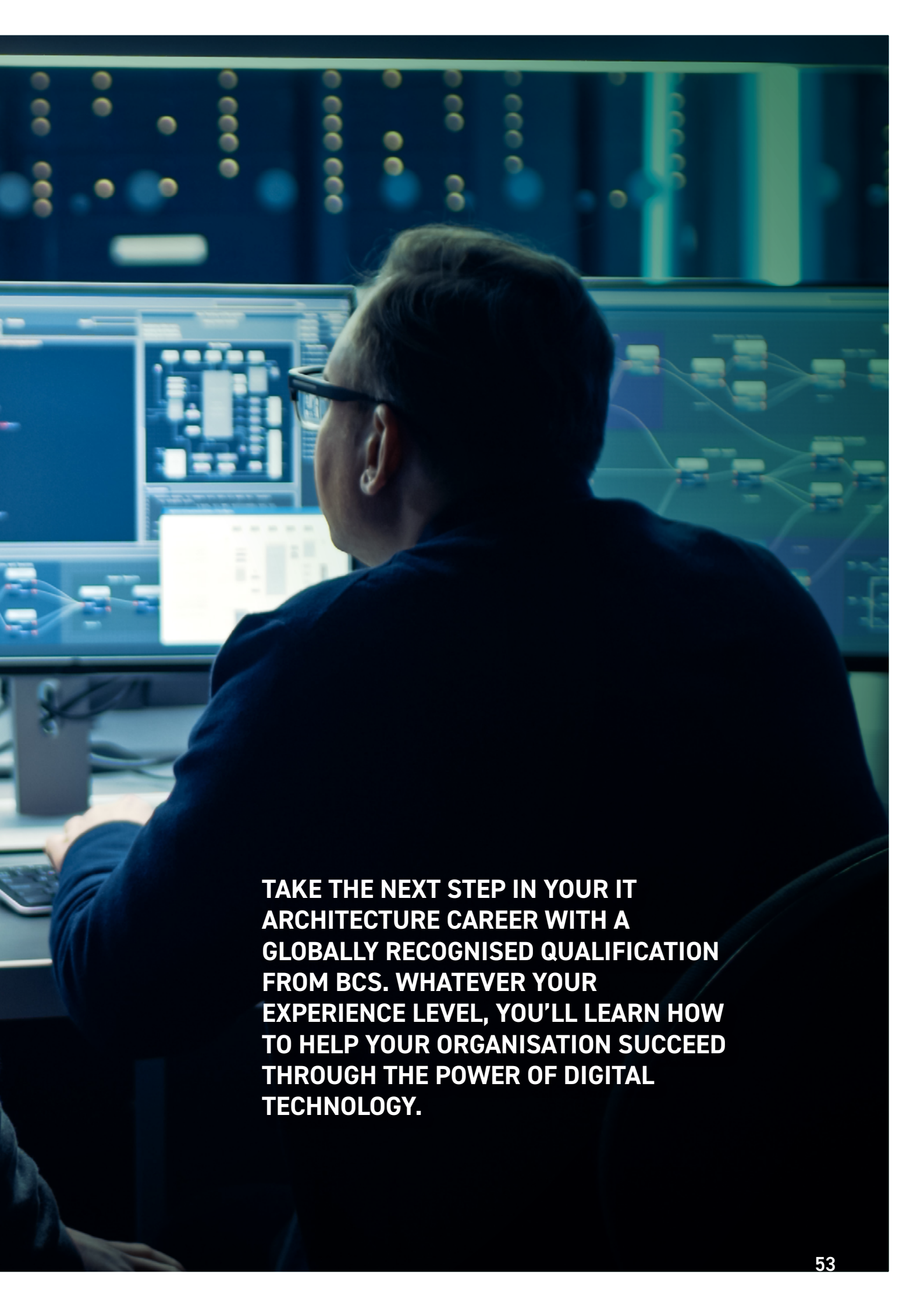
Why not check out our online CPD course?

The principles of information security architecture



Browse our IT Architecture books





**TAKE THE NEXT STEP IN YOUR IT ARCHITECTURE CAREER WITH A GLOBALLY RECOGNISED QUALIFICATION FROM BCS. WHATEVER YOUR EXPERIENCE LEVEL, YOU'LL LEARN HOW TO HELP YOUR ORGANISATION SUCCEED THROUGH THE POWER OF DIGITAL TECHNOLOGY.**

## FOUNDATION



### BCS FOUNDATION CERTIFICATE IN ARCHITECTURE CONCEPTS AND DOMAINS

Are you new to IT architecture, or do you need a basic understanding of the subject to excel in your role? Our foundation certificate gives you a thorough grounding in the architecture tools, solutions, and processes that turn an organisation's vision into a reality.

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- This certificate is ideal for anyone involved with IT architecture, including those new to the profession.

Essential Reading:  
[Solution Architecture Foundations](#)

## INTERMEDIATE



### BCS SPECIALIST ARCHITECTURE AWARDS

Advance your IT architecture career with specialist expertise. After gaining this qualification, you'll be able to help organisations harness the technology they need to grow, transform, and achieve their objectives.

This qualification lets you specialise in your field of interest by choosing from one of five topics:

- BCS Practitioner Award in Cloud Infrastructure Architecture
- BCS Practitioner Award in Data Architecture
- BCS Practitioner Award in Enterprise Architecture
- BCS Practitioner Award in Security Architecture
- BCS Practitioner Award in Solution Architecture

- » INDUSTRY LEVEL SFIPlus Level 3-4
- » ENTRY REQUIREMENTS
- » You need one of the following to take this course:
- » BCS Foundation Certificate in Architecture Concepts and Domains
- » A current TOGAF 9 or TOGAF 10 level 2 certificate
- » You should have at least three years' experience in information systems or IT, including some involvement with architecture.

#### WHO IS IT FOR?

- This award is ideal if you have general architecture experience and want to increase your knowledge in a specialist area.

## PRACTITIONER



### BCS PRACTITIONER CERTIFICATE IN ENTERPRISE AND SOLUTIONS ARCHITECTURE

Want to take the next step in your career as a solution architect or enterprise architect? Our Practitioner Certificate was designed with major employers, having identified their real-life skills gaps.

- » INDUSTRY LEVEL SFIPlus Level 3-4
- » ENTRY REQUIREMENTS
- » You need one of the following to take this course:
  - » BCS Foundation Certificate in Architecture Concepts and Domains
  - » A current TOGAF 9 or TOGAF 10 level 2 certificate
  - » You should have at least three years' experience in information systems or IT, including some involvement with architecture.

#### WHO IS IT FOR?

- This certificate is ideal if you have some architecture in IT experience and want to take your abilities to the next level.

# SERVICE INTEGRATION AND MANAGEMENT

**SERVICE INTEGRATION AND MANAGEMENT FOUNDATION IS AIMED AT PROFESSIONALS WHO WANT TO IMPLEMENT SIAM™ METHODOLOGY IN THEIR ORGANISATION AND IN PARTICULAR PROFESSIONALS WHO ARE ALREADY WORKING WITH IT SERVICE MANAGEMENT PROCESSES.**



## FOUNDATION



### BCS FOUNDATION CERTIFICATE IN SIAM™

This certificate provides professionals with an entry/foundation level introduction to SIAM™ terminology and main principles.

- » INDUSTRY LEVEL SFIplus Level 3
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- Individuals with an interest in (or a need to implement) system unification in an organisation. This could be in service delivery, change management, process management or project and program management.
- Middle and senior managers, consultants or business/solution architects looking at advising or sponsoring systems integration.

## PROFESSIONAL



### BCS PROFESSIONAL CERTIFICATE IN SIAM™

This certificate provides more advanced coverage to SIAM™ terminology and principles than the BCS EXIN Foundation Certificate in SIAM™. Achieving this Professional level certification confirms that an individual can perform activities in all four stages of the SIAM roadmap.

- » INDUSTRY LEVEL SFIplus Level 3
- » ENTRY REQUIREMENTS  
There is not a requirement to do the BCS EXIN Foundation Certificate in SIAM™ before this, but it is recommended.

#### WHO IS IT FOR?

- Individuals with a need to implement system unification in an organisation. This could be in service delivery, change management, process management or project and program management.
- Middle and senior managers, consultants or business/solution architects looking at advising or sponsoring systems integration.

# SOFTWARE TESTING

**THE ISTQB CERTIFIED TESTER FOUNDATION LEVEL DELIVERS A CORE UNDERSTANDING OF SOFTWARE TESTING AND IS REQUIRED TO PROGRESS TO THE ADVANCED LEVEL PAPERS, WHILE THE SPECIALISED CERTIFICATES ALLOW YOU TO BEGIN FOCUSING YOUR LEARNING AT FOUNDATION LEVEL.**

## FOUNDATION



### ISTQB® CERTIFIED TESTER FOUNDATION LEVEL

Take your first step in our global software testing programme to understand, apply and analyse the concepts of software testing.

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS  
No formal entry requirements however, the candidate should have a basic working IT knowledge.

#### WHO IS IT FOR?

- Anyone involved in software testing, it will also be of interest to project managers, quality managers, business analysts and IT directors or management consultants.

## PROFESSIONAL



### ISTQB® CERTIFIED TESTER FOUNDATION LEVEL - ACCEPTANCE TESTING

Understand the concepts, methods and practices of collaboration between product owners / business analysts and testers in acceptance testing.

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS  
The ISTQB® Foundation Level certificate must be obtained before taking this certificate.

#### WHO IS IT FOR?

- Product owners
- Business analysts
- Testers
- Test analysts
- Test engineers
- Test consultants
- Test managers
- User acceptance testers
- Software developers

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DEVELOPMENT BOOKS



# | SOFTWARE TESTING |

## FOUNDATION


### ISTQB® CERTIFIED TESTER FOUNDATION LEVEL - AGILE TESTER

Understand the principles behind agile testing and the competencies you need to be an effective part of the agile team.

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS  
The ISTQB® Foundation Level certificate must be obtained before taking this certificate.

#### WHO IS IT FOR?

- Anyone involved in software testing in an agile testing team
- Suitable for testers, test analysts, test engineers, test consultants, test managers, user acceptance testers and software developers
- It is also suitable for people wanting a basic understanding of agile software testing such as project managers, business analysts, product managers and IT directors
- Anyone involved in software testing or usability engineering

Essential Reading:  
[Agile Testing Foundations](#) 

## FOUNDATION

### ISTQB® CERTIFIED TESTER FOUNDATION LEVEL - AI TESTING

The ISTQB® AI Testing (CT-AI) certification extends understanding of artificial intelligence and/or deep (machine) learning, most specifically testing AI-based systems and using AI in testing.

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS  
The ISTQB® Foundation Level certificate must be obtained before taking this certificate.

#### WHO IS IT FOR?

- Anyone involved in testing AI-based systems and/or AI for testing
- Suitable for testers, test analysts, data analysts, test engineers, test consultants, test managers, user acceptance testers, and software developers.
- Anyone who wants a basic understanding of testing AI-based systems and/or AI for testing, such as project managers, quality managers, software development managers, business analysts, operations team members, IT directors, and management consultants.

## FOUNDATION

### ISTQB® CERTIFIED TESTER FOUNDATION LEVEL - MOBILE APPLICATION TESTING

This certification introduces the concept of hands-on objectives which focus on practical skills and competencies.

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS  
The ISTQB® Foundation Level certificate must be obtained before taking this certificate.

#### WHO IS IT FOR?

- Anyone who is working with or wishes to start a specialist career in Mobile Application Testing.

## FOUNDATION

### ISTQB® CERTIFIED TESTER FOUNDATION LEVEL - PERFORMANCE TESTING

Understand the basic concepts of performance efficiency and performance testing to help provide a good experience for users.

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS  
The ISTQB® Foundation Level certificate must be obtained before taking this certificate.

#### WHO IS IT FOR?

- Anyone involved in software testing or performance engineering Software developers

## FOUNDATION

### ISQTB® CERTIFIED TESTER FOUNDATION LEVEL - USABILITY TESTING

Understand the basic concepts of usability and usability testing required to help end users achieve their goals effectively.

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS  
The ISTQB® Foundation Level certificate must be obtained before taking this certificate.

#### WHO IS IT FOR?

- Anyone involved in software testing or usability engineering.

# SOFTWARE TESTING

## HIGHER



### ISTQB® CERTIFIED TESTER ADVANCED LEVEL - TEST MANAGEMENT

Demonstrate your software testing management skills with this internationally recognised certification.

- » INDUSTRY LEVEL SFIPlus Level 5
- » ENTRY REQUIREMENTS  
The ISTQB® Foundation Level certificate must be obtained before taking this certificate.
- » It is strongly recommended that the candidate has at least a minimal background in either software development or software testing, such as six months experience as a tester or as a software developer.

#### WHO IS IT FOR?

- Anyone involved in the management of software testing.
- Testers
- Test consultants
- Test managers
- User acceptance testers
- Scrum masters
- Project managers
- Product owners

## ADVANCED



### ISTQB® CERTIFIED TESTER ADVANCED LEVEL - TEST ANALYST

Build on your software testing skills to become a competent test analyst and a vital member of the development team.

- » INDUSTRY LEVEL SFIPlus Level 5
- » ENTRY REQUIREMENTS  
Successful completion of the ISTQB Certified Tester Foundation level and a minimum of three years testing experience is recommended.
- » The Professional Certificate may also be helpful but is not required.

#### WHO IS IT FOR?

- Anyone working in software testing who has achieved an advanced point in their career.

## ADVANCED



### ISTQB® ADVANCED LEVEL AGILE TECHNICAL TESTER

Demonstrate your software testing technical skills in an agile environment with this internationally recognised certification.

- » INDUSTRY LEVEL SFIPlus Level 5
- » ENTRY REQUIREMENTS  
Successful completion of the ISTQB Certified Tester Foundation level and a minimum of three years testing experience is recommended.
- » Successful completion of the ISTQB Certified Tester Foundation Level Agile Tester

#### WHO IS IT FOR?

- Anyone working in software testing who has achieved an advanced point in their career.

**ADVANCED****ISTQB® CERTIFIED TESTER  
ADVANCED LEVEL - TECHNICAL  
TEST ANALYST**

Explore the role and responsibilities of the technical test analyst and develop your skills at a recognised, advanced level.

- » INDUSTRY LEVEL SFIPlus Level 5
- » ENTRY REQUIREMENTS  
Successful completion of the ISTQB Certified Tester Foundation level and a minimum of three years testing experience is recommended.
- » The Professional Certificate may also be helpful but is not required.

**WHO IS IT FOR?**

- Anyone who is working with or wishes to start a specialist career in Mobile Application Testing.

**ADVANCED****ISTQB® CERTIFIED TESTER  
ADVANCED LEVEL - TEST  
AUTOMATION ENGINEER**

Understand more about the complexities of test automation and take your software testing skills to the next level.

- » INDUSTRY LEVEL SFIPlus Level 5
- » ENTRY REQUIREMENTS  
Successful completion of the ISTQB Certified Tester Foundation level and a minimum of three years testing experience is recommended.
- » The Professional Certificate may also be helpful but is not required.

**WHO IS IT FOR?**

- Anyone working in software testing who has achieved an advanced point in their career.

# SOLUTION DEVELOPMENT

WITH A MODULAR APPROACH, OUR CERTIFICATIONS STRUCTURE SUPPORTS YOUR CAREER PROGRESSION WITH AN INTERNATIONAL BENCHMARK OF SKILLS AND EXPERIENCE. BECOME A CERTIFIED SOLUTIONS DEVELOPER WITH OUR PROFESSIONAL PORTFOLIO OF QUALIFICATIONS.





## FOUNDATION

### BCS FOUNDATION CERTIFICATE IN DIGITAL SOLUTION DEVELOPMENT

A broad coverage of the many topics affecting Digital Solution Development (DSD) in a modern enterprise setting.

- » INDUSTRY LEVEL SFIPlus Level 3
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- Anyone involved in or affected by the development of IS / IT systems.
- Business and systems analysts
- Software developers
- Designers
- Testers
- Anyone in a non-IT discipline who is seeking to work in a consulting capacity

## PRACTITIONER

### BCS PRACTITIONER CERTIFICATE IN SYSTEMS DESIGN TECHNIQUES

Explore systems design in relation to all aspects of the user interface as well as the underlying principles of data and process design.

- » INDUSTRY LEVEL SFIPlus Level 3-4
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- Anyone who is involved in any aspect of systems design.

## PRACTITIONER


### BCS PRACTITIONER CERTIFICATE IN SYSTEMS DEVELOPMENT ESSENTIALS

Explore generic lifecycle types, methods and approaches and the systems investigation and quality assurance that underpins the development.

- » INDUSTRY LEVEL SFIPlus Level 3-4
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- Anyone who is involved in any aspect of systems development.

Essential Reading:  
Digital Solutions 

## PRACTITIONER



### BCS PRACTITIONER CERTIFICATE IN SYSTEMS MODELLING TECHNIQUES

Develop valuable practical skills by constructing three types of model and demonstrating the interactions between them from varying perspectives.

- » INDUSTRY LEVEL SFIPlus Level 3-4
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- Anyone who is involved in any aspect of systems modelling.

## HIGHER



### BCS INTERNATIONAL DIPLOMA IN SOLUTION DEVELOPMENT

Build your diploma from the modules that match your career path and enjoy industry recognition for your solution development expertise.

- » INDUSTRY LEVEL SFIPlus Level 5
- » ENTRY REQUIREMENTS  
To be eligible for the oral examination, four modules are required to be passed:
  - » two core modules
  - » one knowledge-based specialist module
  - » one practitioner specialist module

#### WHO IS IT FOR?

- Practising solution developers and professionals from related disciplines who want a detailed understanding of solution development best practice.

# TRANSFORMATION

**ENHANCE YOUR KNOWLEDGE OF THE SKILLS NEEDED TO EXCEL IN THE DIGITAL WORKPLACE. INTERPERSONAL AND BUSINESS SKILLS ARE KEY TO THE SUCCESS OF IT AND DIGITAL PROFESSIONALS, ENABLING INDIVIDUAL AND ORGANISATIONAL SUCCESS.**



## PRACTITIONER



### BCS PRACTITIONER AWARD IN LEADING WITH AN IT MINDSET

This practitioner level award encourages individuals in IT and technical roles to develop an improved understanding of their leadership style and discover tools, techniques and behaviours to lead a team successfully.

- » INDUSTRY LEVEL SFIPlus Level 4
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- Digital professionals looking to enhance their soft skills in target areas.
- IT business partners
- Business analysts
- Business managers and members of their team
- Business change managers
- Project managers

## PRACTITIONER




### BCS PRACTITIONER AWARD IN COLLABORATING WITH BUSINESS TEAMS

This practitioner level award encourages individuals in digital and technical roles to enhance their skills by exploring different techniques, formats, and tools to communicate and understand the impact of their communication choices.

- » INDUSTRY LEVEL SFIPlus Level 4
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- Digital professionals looking to enhance their soft skills in target areas.
- IT business partners
- Business analysts
- Business managers and members of their team
- Business change managers
- Project managers

Essential Reading:  
Mastering Communication and Collaboration 

## PRACTITIONER

### BCS PRACTITIONER AWARD IN BUSINESS SKILLS FOR THE IT PROFESSIONAL

This practitioner-level award encourages individuals in IT and technical roles to explore the many teams, ideas, and functions within an organisation and maximise their contribution.

- » INDUSTRY LEVEL SFIaplus Level 4
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- Digital professionals looking to enhance their soft skills in target areas.
- IT business partners
- Business analysts
- Business managers and members of their team
- Business change managers
- Project managers

## PRACTITIONER

### BCS PRACTITIONER CERTIFICATE IN BEING AN IT BUSINESS PARTNER

This practitioner-level award encourages individuals in IT and technical roles to explore how to collaborate with different business areas in the digital workplace, as well as demonstrating diversity and cultural awareness.

- » INDUSTRY LEVEL SFIaplus Level 4
- » ENTRY REQUIREMENTS  
You should be in an IT role with some experience of working with different teams across the business.
- » You must have successfully completed the BCS Practitioner Awards in Leading with an IT Mindset, Collaborating with Business Teams, and Business Skills for the IT Professional to be eligible for the Being an IT Business Partner Certification.

#### WHO IS IT FOR?

- Digital professionals looking to enhance their soft skills in target areas.
- IT business partners
- Business analysts
- Business managers and members of their team
- Business change managers
- Project managers



# USER EXPERIENCE

DESIGNED TO ENSURE CANDIDATES HAVE SUITABLE KNOWLEDGE OF THE CORE CONCEPTS OF USER EXPERIENCE AND ARE AWARE OF THE MOST COMMON TOOLS, TECHNIQUES AND METHODS USED IN THE FIELD.



## FOUNDATION




### BCS FOUNDATION CERTIFICATE IN USER EXPERIENCE (UX)

Start improving user experience for your customers. Our UX design certification will help you understand the principles behind optimal design and architecture.

- » INDUSTRY LEVEL SFIaplus Level 3
- » ENTRY REQUIREMENTS  
No formal entry requirements

#### WHO IS IT FOR?

- Anyone involved in the design and evaluation of user interfaces
- Interface designers
- Usability engineers
- Requirement engineers
- Product managers

Essential Reading:  
[User Experience Foundations](#) 

# ACCREDITATION

Whether you deliver courses externally or for your own employees, BCS accreditation is the benchmark for quality in the technology industry.

Partnering with us is easy, we have a simple on-boarding process and we're on hand to support you throughout the accreditation process and beyond.

If you would like to talk to us about accreditation or extending your portfolio with BCS, complete the online form and we will be in touch.

## Tech10 PROGRAMME FOR POST 16 EDUCATION & TRAINING PROVIDERS

Join our mission to raise the professionalism of the digital society. With BCS Tech10 accreditation, you can give learners, employers and other stakeholders confidence that the delivery of your programmes meets the industry's most ambitious demands.

We accredit a wide range of courses including bootcamps, induction and essential courses, these can range from dedicated tech subjects like data science and web development, to separate vocational subjects that require digital skills.

Whatever the programme, we'll support you towards, and beyond accreditation so that you can be confident your offering is among the best in the industry.

### Why accredit your course with BCS?

- Endorsement of the high quality of your course, from the professional body for IT
- Enhance the marketability of your programmes to recruit students
- A credible digital reputation
- Recognition for learners through a digital badge and links to further CPD



**"BCS accreditation provides a third party, unbiased indicator that our tech skills courses are at the high quality level we say that they are**

**LE WAGON**

# Dev10 ACCREDITATION FOR EMPLOYERS

Boost your people's performance through high-quality learning and development. BCS Dev10 accreditation is professional recognition that your programmes are capable of attracting, engaging and developing talent within your organisation.

Whether you're onboarding graduate trainees or upskilling seasoned veterans, Dev10 demonstrates your commitment to excellence in people development — instilling confidence in employees, customers and stakeholders.

## Why accredit your course with BCS?

- Give your people the technical skills to grow your organisation
- Engage employees and increase course uptake with a recognisable offering
- Attract talent with an enviable learning and development package
- Boost your profile by association with a prestigious professional body



"We're delighted to be partnering with BCS to help close the growing digital skills gap in the UK... and equip individuals with the skills needed to thrive in the workplace."

MICROSOFT

FIND OUT MORE ABOUT TECH 10



FIND OUT MORE ABOUT DEV 10





# ONLINE IT PROFESSIONAL DEVELOPMENT COURSES

Want to reach your professional goals? Our online learning modules develop the most in-demand skills so that you can get ahead in a fast-changing and competitive profession. Plus, you can learn where and when it suits you, without the hassle of attending a classroom or live online sessions.

We've developed each course with industry experts to bring you the most relevant and valuable insights from those working in the field.

All learning modules are available on BCS Discover – our learning platform. You can access free content and purchase paid-for e-learning modules directly from your account.

#### **Non-member?**

Set up a free MyBCS account to start exploring our content library.

#### **Existing member?**

Please login to explore available e-learning courses.

# FOUNDATION CERTIFICATE IN THE ETHICAL BUILD OF AI

Learn how you can navigate the risks to design and build AI ethically.

Course duration: 12 hours (or available as five individual modules).



Today's stakeholders value ethical standards more than ever before, and they expect you to use AI responsibly to limit harm to others. This exclusive, award-winning learning programme helps you and your team make smart decisions that protect your reputation as well as your customers.

This course contains a total of 12 hours of online self-paced training to complete at your own pace, plus our innovative AI-marked activities which use ChatGPT to give you instant, personalised feedback on your answers.

After successfully completing a one hour exam at the end of the course, you'll gain a globally recognised certification to prove your knowledge.

Alternatively, each module is available to purchase as a standalone course. Choose from:

- An ethical framework for using AI
- Innovating ethically with AI to drive business change
- Data privacy, governance and policy in AI
- Data architecture,

sustainability and ethics

- Building and testing AI solutions



**THE COURSE IS EXCELLENT AND COMPREHENSIVE, AND I ENJOYED IT VERY MUCH**

**Dr Jochen Biedermann, MD, World Alliance of International Finance Centres**



### DIGITAL LEADERSHIP: COMMUNICATION AND INFLUENCE

Learn how to use communication, collaboration, and empathy to lead a team effectively.

Course duration: 60-90 minutes.



### THE BUSINESS ANALYST: INNOVATION, ADAPTABILITY & MINDSET

Learn how to develop your skills as a BA to keep up with your constantly evolving role.

Course duration: 60-90 minutes.



### DEVELOPING AN AGILE MINDSET

Learn how you can use an Agile mindset to be more adaptable and resilient.

Course duration: 60-90 minutes



### AN INTRODUCTION TO INFORMATION SECURITY

Learn how can you protect information while ensuring it can still fulfil its purpose.

Course duration: 60-90 minutes.



### THE PRINCIPLES OF INFORMATION SECURITY ARCHITECTURE

Learn how you can use structures, processes, and controls to protect information.

Course duration: 60-90 minutes.



### MAKING A CASE FOR AN INFORMATION SECURITY MANAGEMENT SYSTEM

Learn how to get decision makers' support to implement security controls.

Course duration: 60-90 minutes.



### ENHANCING ACCESSIBILITY THROUGH INCLUSIVE DESIGN

Learn how to create digital products that are accessible and inclusive for your audience.

Course duration: 60-90 minutes.



### MAXIMISING POTENTIAL THROUGH NEURODIVERSITY

This course supports you to understand the different ways that people think and work and equips you with the skills you need to work effectively in diverse teams.

Course duration: 60-90 minutes.

# GREEN IT



Learn how you can cut carbon emissions by using technology more sustainably.

Three modules for different needs.  
Course duration: 60 minutes each.

Looking to cut carbon emissions by using technology more sustainably? Our three short online modules show you how to make fast and impactful changes throughout your organisation. Choose the right module for you depending on whether you'd like to change your own behaviours or influence broader organisational strategy. You'll be able to put your learning into practice straightaway, with interactive content and instant feedback that makes learning easy and enjoyable.

## **Module 1 - Discovering Green IT: An introduction to technology sustainability**

Choose this module if you're an individual looking to gain a basic understanding of Green IT and change your own behaviours.

## **Module 2 - Driving Sustainability: Exploring green IT policies and their impact**

Choose this module if you want to learn more about Green IT or need to influence strategic decisions within your organisation.

## **Module 3 - Avoiding Greenwashing: Identifying and addressing the risks and roles in green IT**

Choose this module if you want to understand Green IT within the context of an organisation or are responsible for sustainability or IT strategy.

If your role involves sustainability or IT strategy, we suggest you complete all 3 modules to develop an in-depth understanding.

A photograph of two students, a young man and a young woman, looking at a laptop screen. The young man is on the left, wearing glasses and a light-colored hoodie. The young woman is on the right, wearing a dark hoodie. The background is a blurred classroom setting with a greenish tint. The text 'SKILLS FOR SCHOOLS' is overlaid in yellow boxes at the bottom of the image.

**SKILLS**

**FOR SCHOOLS**




# ICDL STUDENT

BCS digital qualifications are available and certified in several sizes (Units, Award, Certificate, and Diploma) and levels sit at (Entry Level 3, 1, 2 and 3).

- **Automated Testing & Instant results**
- **Teacher/Learner resources**
- **No manual marking**
- **Ofqual Regulated**

The International Certification of Digital Literacy (ICDL) is the digital skills benchmark of global excellence.

**LEVEL 1**



**BCS LEVEL 1 SMART DIGITAL AWARD IN E-SAFETY**


- » LEVEL 1
- » QAN 603/6931/0
- » 16-19 EFA
- » OFQUAL REGULATED
- » TQT 32 GLH 30
- » ASSESSMENT 90 mins

**WHO IS IT FOR?**

- Key Stage 2 and 3 learners
- Learners with little or no digital skills knowledge

Teach BCS Level 1 Smart Digital Award in E-Safety | BCS

**LEVEL 1**



**BCS LEVEL 1 ROBOTICS AWARD**


- » LEVEL 1
- » QAN 603/7793/8
- » 14-16 EFA
- » OFQUAL REGULATED
- » TQT 51 GLH 37
- » ASSESSMENT 45 min online test and offline skills assessment

**WHO IS IT FOR?**

- Key Stage 2 & 3 learners

Teach BCS Level 1 Robotics Award | BCS

**LEVEL 2**



**BCS LEVEL 2 THINKING AS A CODER AWARD**

- » LEVEL 2
- » 14-16 EFA
- » TQT 70 GLH 39
- » ASSESSMENT 45 min online test with 36 questions

**WHO IS IT FOR?**

- Key Stage 3 learners

Teach the BCS Level 2 Thinking as a Coder Award | BCS

### Computer Science Teacher: Insight into the computing classroom

Increased focus on computer science has recently brought about the new national curriculum in computing. This book explores the role of Computer Science Teacher in a secondary school environment. An overview of secondary school computing is covered, along with what the role encompasses, the attributes, knowledge and skills required to be a success and useful standards, tools, methods and techniques you can employ. Case studies and quotes from schools and current teachers are also included.

A man in a blue long-sleeved shirt is looking at a tablet in a warehouse. He is standing in front of tall metal shelving units filled with boxes. The lighting is dim, with a strong blue and green tint. The text 'BEGINNERS' IT' is overlaid on the right side of the image in a yellow box.

# BEGINNERS' IT

# ESSENTIAL DIGITAL SKILLS FOR WORK

Did you know over 80% of job vacancies now ask for digital skills? So, developing your digital know-how is one of the most important things you can do to improve your employability, but that can be a scary prospect if you've avoided using computers up to now.

BCS has helped millions of people gain the skills and confidence to use technology in all kinds of work settings, from shops and warehouses to restaurants and bars, even farms and building sites.

## ENTRY LEVEL

### BCS ENTRY LEVEL ESSENTIAL DIGITAL SKILLS FOR WORK

- » 16-19 EFA
- » OFQUAL REGULATED
- » TQT 64 GLH 50
- » ADULT SKILLS:  
Programme weighting: A  
Weighted rate: £300.00  
Unweighted rate: £300.00

#### WHO IS IT FOR?

- Anyone with no or little digital skills for the workplace, employed or not.

## LEVEL 1

### BCS LEVEL 1 ESSENTIAL DIGITAL SKILLS FOR WORK

- » 16-19 EFA
- » OFQUAL REGULATED
- » TQT 64 GLH 50
- » ADULT SKILLS:  
Programme weighting: A  
Weighted rate: £300.00  
Unweighted rate: £300.00

#### WHO IS IT FOR?

- Anyone with some digital skills.

## LEVEL 2

### BCS LEVEL 2 THINKING AS A CODER AWARD

- » LEVEL 2
- » 14-16 EFA
- » TQT 70 GLH 39
- » ASSESSMENT 45 min online test with 36 questions

#### WHO IS IT FOR?

- Key Stage 3 learners

Teach the BCS Level 2 Thinking as a Coder Award | BCS

**INFORMATION FOR LEARNERS** 

**INFORMATION FOR TRAINING PROVIDERS** 

# DIGITAL LITERACY QUALIFICATIONS

BCS ITQs are IT qualifications made up of units in the ITQ framework. The framework of units covers all aspects of IT application including word processing, spreadsheets, the internet, multimedia software and design software. Our range of ITQs includes our global suite of ICDL qualifications.

ICDL qualification modules are individually certified. Full qualifications – awards and certificates – are made up of a number of modules. You can create bespoke packages to suit individual learners comprising of the modules right:

- IT user fundamentals
- Internet and email
- Word processing
- Spreadsheets
- Presentations
- Databases
- Online collaboration
- Improving productivity
- Project planning
- IT security

## 17 MILLION+ ICDL PROGRAMMES DELIVERED IN 40 LANGUAGES WORLDWIDE



[ICDL] allows students to progress onto college or employment demonstrating competence in using the Microsoft Office suite

GRANGE SCHOOL



42% of IT leaders said they need increased digital literacy among their general workforce to achieve success

BCS IT LEADERS REPORT  
2021



ICDL Essentials helps us to fulfil our digital agenda of having a workforce tooled with the skills required

PERTH & KINROSS COUNCIL

## FLEXIBLE

BCS IT User qualifications are made up from a library of 80 units across 3 levels of achievement, which are combined and available as:

- flexible qualifications
- pre-packaged 'fixed' qualifications
- flexible ICDL based qualifications

## REGULATED

These qualifications are regulated by one or more of the following: Ofqual, Qualifications Wales, CCEA Regulation or SQA

These qualifications are designed for people using technology:

- at work
- in education
- when looking for work
- in their leisure time



Having ICDL level 2 qualification on a cv can mean the difference between getting an interview or not, especially in admin roles within the NHS

CHESHIRE LEARNING  
PARTNERSHIPS

## TOPICS YOU CAN STUDY

- Audio Software
- Bespoke Software
- Computerised Accounting Software
- Data Management Software
- Database Software
- Design Software
- Desktop Publishing Software
- Developing Personal and Team Effectiveness Using IT
- Drawing & Planning Software
- Imaging Software
- Improving Productivity using IT
- IT Communication Fundamentals
- Internet Safety for IT Users
- IT Security for Users
- IT Software Fundamentals
- IT User Fundamentals
- Multimedia Software
- Optimise IT System Performance
- Personal Information Management Software
- Presentation Software
- Project Management Software
- Set up an IT System
- Specialist Software
- Spreadsheet Software
- Understanding the Potential of IT
- Using a Computer Keyboard
- Using Collaborative Technologies
- Using email
- Using Mobile IT Devices
- Using the Internet
- Video Software
- Website Software
- Word Processing Software

**FURTHER INFORMATION ON  
THE FULL RANGE OF (ITQ) UNITS  
AVAILABLE**







**INTERMEDIATE  
IT**

# ICDL

## LEVEL 1



### BCS LEVEL 1 AWARD IN IT USER SKILLS (ICDL ESSENTIALS)

- » LEVEL 1
- » QAN 500/6226/8
- » 14-16 EFA
- » OFQUAL REGULATED
- » TQT 92 GLH 61

## LEVEL 1



### BCS LEVEL 1 IC DL AWARD IN IT USER SKILLS

- » LEVEL 1
- » QAN 601/0633/5
- » 16-19 EFA
- » OFQUAL REGULATED
- » TQT 89 GLH 69

## LEVEL 1



### BCS LEVEL 1 IC DL CERTIFICATE IN IT USER SKILLS

- » LEVEL 1
- » QAN 601/1236/0
- » 16-19 EFA
- » OFQUAL REGULATED
- » TQT 129 GLH 86

## LEVEL 2



### BCS LEVEL 2 IC DL AWARD IN IT USER SKILLS

- » LEVEL 2
- » QAN 601/0634/7
- » 14-16 EFA
- » 16-19 EFA
- » OFQUAL REGULATED
- » ADULT SKILLS:
  - Programme weighting: B
  - Weighted rate: £504.00
  - Unweighted rate: £450.00
  - Local Flexibilities

## LEVEL 2



### BCS LEVEL 2 IC DL CERTIFICATE IN IT USER SKILLS

- » LEVEL 2
- » QAN 601/1237/2
- » 14-16 EFA
- » 16-19 EFA
- » OFQUAL REGULATED
- » ADULT SKILLS:
  - Programme weighting: B
  - Weighted rate: £811.00
  - Unweighted rate: £724.00
  - Local Flexibilities \*\*

## LEVEL 2



### BCS LEVEL 2 CERTIFICATE IN IT USER SKILLS (ICDL EXTRA) (ITQ)

- » LEVEL 2
- » QAN 500/6242/6
- » 14-16 EFA
- » 16-19 EFA
- » OFQUAL REGULATED
- » ADULT SKILLS:
  - Programme weighting: B
  - Weighted rate: £811.00
  - Unweighted rate: £724.00
  - Local Flexibilities \*\*





**67% OF IT LEADERS WANT TO ENHANCE IT CAPABILITY AND SKILLS IN THEIR EXISTING WORKFORCE\*\***

BCS IT Leaders report 2021



**EMPLOYERS STATE IN BCS RESEARCH THEIR WORKFORCE DOES NOT HAVE THE DIGITAL LITERACY SKILLS NEEDED TO SUCCEED**

Whether a learner is looking for a new job or taking a step up in their place of work to become a departmental expert in Office applications, adding a level 3 digital qualification will boost their progression.

The BCS Level 3 Certificate in IT (ICDL) comes under the UK Government Lifetime Skills Guarantee – eligible learners can now get qualified for FREE in work or not. Units can be taken and certified individually giving flexibility where someone might want to gain expertise in just one or two Office applications.

## LEVEL 2



**BCS LEVEL 2 CERTIFICATE IN IT USER SKILLS (ICDL CORE)**

- » LEVEL 2
- » QAN 601/8240/4
- » 14-16 EFA
- » 16-19 EFA until August 2022
- » OFQUAL REGULATED
- » ADULT SKILLS:  
Programme weighting: B  
Weighted rate: £811.00  
Unweighted rate: £724.00  
Local Flexibilities \*\*

## LEVEL 3



**BCS LEVEL 3 CERTIFICATE IN IT USER SKILLS (ICDL ADVANCED) (ITQ)**

- » REGULATED
- » QAN 500/6243/8
- » 5 modules
- » Guided learning hours (GLH): 179 hours
- » Total qualification time (TQT): 248 hours
- » UCAS points: 24
- » ADULT SKILLS:  
Programme weighting: B  
Weighted rate: £1,417.00  
Unweighted rate: £1,265.00

## LEVEL 3



**BCS LEVEL 3 CERTIFICATE IN IT USER SKILLS (ITQ)**

- » REGULATED
- » QAN 500/6176/8
- » Flexi Modules
- » BCS Membership Grade: AMBCS
- » 16-19 EFA

## DIGITAL MODULAR PROGRAMME

The Digital Core Module provides employees and prospective employees with the basic concepts and understanding for Cyber Security, Networks, Data, Programming, Systems and Applications - all of which are ubiquitous within every business and across every digital role.

- Ofqual regulated
- One year of BCS Membership included
- Can be delivered as a blended programme
- Online multiple-choice and scenario-based Knowledge Test
- Automated results
- No marking
- Synoptic Project - written assessment
- Delivered as a stand-alone qualification or as part of an apprenticeship
- Teaching / learning resources
- Aligned to the skills framework SFIaplus, the industry defined and recognised benchmark for IT

# HIGHER TECHNICAL QUALIFICATIONS

The BCS Digital Modular Level 4 qualifications, Data Analyst and Software Developer have been approved as Higher Technical Qualifications with delivery from September 2023.

Higher Technical Qualifications are either new or existing Level 4 and 5 qualifications approved by the Institute for Apprenticeships and Technical Education (IfATE) as meeting occupational standards for the relevant sector.

## KEY INFORMATION:

- **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.**
- **Individual modules 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.**
- **Watch the explainer video: An introduction to the Digital Modular Programme.**



(NOTE: The project is not required if undertaking the DMP as part of an Apprenticeship which includes End Point Assessment)

## LEVEL 4



### DIGITAL CORE LEVEL 4 (MANDATORY)

- » BCS Level 4 Diploma Digital Modular Programme For Data Analysts QAN 603/7752/5
- » BCS Level 4 Diploma Digital Modular Programme In Software Development QAN 603/7899/2

**FIND OUT MORE ABOUT THE DIGITAL  
MODULAR PROGRAMME (PDF)**





# HIGHER EDUCATION QUALIFICATIONS

BCS Higher Education Qualifications (HEQ) are aligned to professional standards and mapped to the IT industry framework SFIPlus, examined at degree level, and accredited by the UK regulator Ofqual.

HEQ will give learners a head-start to becoming a recognised IT Professional and a pathway towards Chartered status

–raising the global ethical standards of practise within the IT profession.

Not only has this qualification programme provided many young people an entry route into a career in IT, but it has also complemented degrees studied around the globe and given access onto higher education such as a top-up-degree or Masters.

This is a flexible qualification suitable for those who are looking to return to work, or to gain professional credentials and professional membership of their industry body to support career progression, especially for those who may not have gone through a formal route of education and are currently working in IT.

**LEVEL 4****BCS LEVEL 4  
CERTIFICATE IN IT**

- » QAN: 100/6181/2
- » Three core modules – comparable to the first year of a degree
  - Information systems
  - Software development
  - Computer and network technology
- » Recommended course study duration: 200 hours per module
- » The total qualification time (TQT) for this course is 734 hours.
- » Assessment: Written examination
- » Our qualification guide provides more information
- » No Formal Entry Criteria
- » Recommended for someone currently working in IT (without formal qualification) or is studying/has studied at a suitable level of education.
- » You need to be 16 years of age and over to take a HEQ qualification.

Essential Reading:  
Information Systems

**LEVEL 5****BCS LEVEL 5  
DIPLOMA IN IT**

- » QAN: 100/6190/3
- » A core module and three selected modules.
- » For learners who are not progressing onto the Level 6, they will be required to take a 5000-word project as part of the Diploma in IT qualification.
- » Core module
  - Professional issues in IS practice
- » Selected modules (choose three)
  - Big data management
  - Computer networks
  - Database systems
  - IT project management
  - Object oriented programming systems
  - Principles of Internet technologies
  - Smart systems
  - Software engineering (part 1)
  - Systems analysis and design
  - User experience
  - Web application development
- » Our qualification guide provides further information
- » Recommended course study duration: 225 hours of study for each module.
- » The total qualification time (TQT) for this course is 1086 hours.
- » An additional 200 hours of study will be required if your learner needs to complete a professional project in IT.
- » Assessment: Written examination
- » ENTRY CRITERIA: You need to have passed, or been made exempt from, the BCS Certificate in IT

Essential Reading:  
Professional Issues in IT

**LEVEL 6****BCS LEVEL 6  
PROFESSIONAL  
GRADUATE DIPLOMA  
IN IT**

- » QAN: 100/6191/5)
- » Credits: 141
- » Our qualification guide provides more information
- » Four selected modules and a 10,000 word Professional IT Project
  - Advanced database management systems
  - Management information systems
  - Software engineering (part 2)
  - Computer services management
  - Network information systems
  - Programming paradigms
  - System design methods
  - Web engineering
  - IT and the environment
- » Recommended course duration: 250 hours per module
- » The total qualification time (TQT) for this course is 1414
- » 300 additional recommended hours to complete the professional project.
- » Assessment: written examination
- » Entry requirement: Passed or made exempt from the BCS Certificate in IT and the BCS Diploma in IT.
- » BCS Higher Education Examinations are sat twice yearly.







**THESE THREE  
QUALIFICATIONS  
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# BCS BOOKS









## ARTIFICIAL INTELLIGENCE

AI in Business: Towards the autonomous enterprise	
Artificial Intelligence and Machine Learning Foundations: Learning from experience	
Getting Started with ChatGPT and AI Chatbots: An introduction to generative AI tools	
Artificial Intelligence and Software Testing: Building systems you can trust	
The Autonomous Enterprise: Powered by AI	
Artificial Intelligence Foundations: Learning from experience	

## BUSINESS ANALYSIS

The Survivor's Guide to Enterprise Architecture: Practitioner tales and pragmatic insights	
Business Architecture: A comprehensive guide	
Cyber Security and Business Analysis: An essential guide to secure and robust systems	
Agile and Business Analysis: Practical guidance for IT professionals	
Digital Product Management	
Business Analysis Techniques: 123 essential tools for success	
Business Analysis	
Delivering Business Analysis: The BA Service handbook	
Business Analyst: Careers in business analysis	
Modelling Business Information: Entity relationship and class modelling for Business Analysts	
Agile and Business Analysis: Practical guidance for IT professionals	

## SOFTWARE TESTING &amp; QA

Software Testing: An ISTQB-BCS Certified Tester Foundation Level guide (CTFL v4.0) - Fifth edition	
Artificial Intelligence and Software Testing: Building systems you can trust	
Test Automation: A manager's guide	
Practical Test Design: Selection of traditional and automated test design techniques	
Mobile Testing: An ASTQB-BCS Foundation guide	
Agile Testing Foundations: An ISTQB Foundation Level Agile Tester guide	
User Acceptance Testing: A step-by-step guide	
Artificial Intelligence Foundations: Learning from experience	

## DATA MANAGEMENT &amp; ANALYTICS

Driving Data Projects: A comprehensive guide	
Principles of Data Management: Facilitating information sharing	
Data Strategy: From definition to execution	
Data Governance: Governing data for sustainable business	
Practical Data Migration	
Managing Data Quality: A practical guide	
Data Analyst: Careers in data analysis	
Modelling Business Information: Entity relationship and class modelling for Business Analysts	

## CYBER SECURITY

Information Security Management Principles	
Cyber Security: The complete guide to cyber threats and protection	
Cybercrime: Protecting your business, your family and yourself	
Information Risk Management: A practitioner's guide	
Cybersecurity ABCs: Delivering awareness, behaviours and culture change	
Security Operations in Practice	
Information Security Management Principles	
Penetration Testing: A guide for business and IT managers	
Hands-on Incident Response and Digital Forensics	
Information Security Auditor: Careers in information security	
Security Architect: Careers in information security	
Agile and Business Analysis: Practical guidance for IT professionals	

## IT ARCHITECTURE AND DIGITAL SOLUTIONS

Digital Solutions: From inception to delivery	
The Survivor's Guide to Enterprise Architecture: Practitioner tales and pragmatic insights	
Business Architecture: A comprehensive guide	
Digital Product Management	
Solution Architecture Foundations	
User Experience Foundations	
The Evolution of Cloud Computing: How to plan for change	
Mastering Digital Business: How powerful combinations of disruptive technologies are enabling the next wave of digital transformation	
Off-The-Shelf IT Solutions: A practitioner's guide to selection and procurement	
Developing Information Systems: Practical guidance for IT professionals	



## AGILE & PROJECT MANAGEMENT

The Visual Agile Coach Playbook: Power-up communication, increase engagement, deliver value and have fun!	
Driving Data Projects: A comprehensive guide	
Super User Networks for Software Projects: Best practices for training and change management	
Agile From First Principles	
Project Management for IT-Related Projects: 3rd edition	
Project Manager: Careers in IT project management	
Shortcuts to success: Project management in the real world	

## SOFTWARE DEVELOPMENT & CODING












Software Development in Practice	
User Experience Foundations	
Front-End Developer	
Software Developer	
Computational Thinking: A beginner's guide to problem-solving and programming	

## IT SERVICE MANAGEMENT







ITSM Value Streams: Transform opportunity into outcome	
Change Manager: Careers in IT service management	
Service Level Manager: Careers in IT service management	
IT Service Management: Support for your ITSM Foundation exam	
Problem Management: An implementation guide for the real world	
Business Relationship Manager: Careers in IT service management	



## LEADERSHIP & MANAGEMENT

Mastering Communication and Collaboration: A comprehensive guide to teamwork and leadership for IT professionals	
Women in Tech: A practical guide to increasing gender diversity and inclusion	
Growing Yourself As A Leader: Technical Leadership Capabilities	
Delivering Benefit: Technical leadership capabilities	
Building A Winning Team: Technical Leadership Capabilities	
NLP for Business Analysts: Developing agile mindset and behaviours	
The Art of IT Management: Practical tools, techniques and people skills	
The Human Touch: Personal skills for professional success	
Finance for IT Decision Makers: A practical handbook	
NLP for Project Managers: Make things happen with neuro-linguistic programming	
Agile and Business Analysis: Practical guidance for IT professionals	

## GOVERNANCE & COMPLIANCE

Data Protection and Compliance : Second edition	
Data Governance: Governing data for sustainable business	
Data Protection Officer	
A Practical Guide to IT Law	
Governance of IT: An executive guide to ISO/IEC 38500	
Business Continuity Management Systems: Implementation and certification to ISO 22301	

## DIGITAL MARKETING & WRITING SKILLS

Business Cases That Get Results	
Business Writing for Technical People	
Technical Writing for Business People	
Writing for Social Media	
Digital Marketer	
Working the Crowd: Social media marketing for business	

## EDUCATION & GENERAL INTEREST

Careers in Tech, Data and Digital: From education to employment	
Super User Networks for Software Projects: Best practices for training and change management	
Software Development: BCS Level 4 Certificate in IT study guide	
Information Systems: BCS Level 4 Certificate in IT study guide	
Computer and Network Technology: BCS Level 4 Certificate in IT study guide	
Professional Issues in IT	
Technical Training Management: Commercial skills aligned to the provision of successful training outcomes	
BCS Glossary of Computing	

## GET IN TOUCH

If you are interested in any of our products, please complete the [online form](#) and a BCS representative will be in contact to discuss your individual requirements.

## BECOME ACCREDITED

### Accreditation support

Partnering with us is easy, we have a simple on-boarding process and we're on hand to support you throughout the accreditation process and beyond.

If you would like to talk to us about accreditation or extending your portfolio with BCS, complete the [online form](#) and we will be in touch.



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