

# **BCS Level 4 Award in Law, Regulation and Ethics Syllabus 603/3216/5**

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This is a United Kingdom government regulated qualification which is administered and approved by one or more of the following: Ofqual, Qualification in Wales, CCEA or SQA.

## **BCS Level 4 Award in Law, Regulation and Ethics**

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## Change History

Any changes made to the syllabus shall be clearly documented with a change history log. This shall include the latest version number, date of the amendment and changes made. The purpose is to identify quickly what changes have been made.

<b>Version Number</b>	<b>Changes Made</b>
V1.0	Document created.
V1.1	Bullet points added to LO2.1

## Introduction

This award is the fifth module of five knowledge modules that are applicable to the level 4 Cyber Intrusion Analyst apprenticeship. This is a general introduction to law, regulation and ethics specific to cyber security, for which apprentices are required to demonstrate their knowledge and understanding.

## Objectives

Apprentices should be able to demonstrate an understanding of law regulations and standards. Key areas are:

1. Understands the main features and applicability of law, regulations and standards relevant to cyber network defence and follows these appropriately.
2. Capable of advising on the ethical responsibilities of a cyber security professional.

Evidence of lessons learnt in these key areas should be collected and reflected upon when the apprentice is compiling the summative portfolio as the apprentice could identify how the task might be done better / differently with knowledge subsequently gained.

## Target Audience

This award is relevant to anyone enrolled on the Level 4 Cyber Intrusion Analyst Apprenticeship programme.

## Course Format and Duration

Apprentices can study for this award by attending a training course provided by a BCS accredited Training Provider. The estimated total qualification time for this award is 80 hours.

## Eligibility for the Examination

Individual employers will set the selection criteria, but this is likely to include 5 GCSEs (especially English, mathematics and a science or technology subject); other relevant qualifications and experience; or an aptitude test with a focus on IT skills.

Level 2 English and Maths will need to be achieved, if not already, prior to taking the endpoint assessment.

## Duration and Format of the Examination

The format for the examination is a 30-minute multiple-choice examination consisting of 20 questions. The examination is closed book (no materials can be taken into the examination room). The pass mark is 13/20 (65%).

## Additional Time for Apprentices Requiring Reasonable Adjustments Due to a Disability

Apprentices may request additional time if they require reasonable adjustments. Please refer to the [Access to Assessment policy](#) for detailed information on how and when to apply.

## Additional Time for Apprentices Whose Language Is Not the Language of the Exam

If the examination is taken in a language that is not the apprentice's native / official language, then they are entitled to 25% extra time.

If the examination is taken in a language that is not the apprentice's native / official language, then they are entitled to use their own **paper** language dictionary (whose purpose is translation between the examination language and another national language) during the examination. Electronic versions of dictionaries will **not** be allowed into the examination room.

## Guidelines for Training Providers

Each major subject heading in this syllabus is assigned an allocated time. The purpose of this is two-fold: first, to give both guidance on the relative proportion of time to be allocated to each section of an accredited course and an approximate minimum time for the teaching of each section; second, to guide the proportion of questions in the exam. Training providers may spend more time than is indicated and apprentices may spend more time again in reading and research. Courses do not have to follow the same order as the syllabus. Courses may be run as a single module or broken down into two or three smaller modules.

This syllabus is structured into sections relating to major subject headings and numbered with a single digit section number. Each section is allocated a minimum contact time for presentation. Apprentices should be encouraged to consider their summative portfolio throughout the modules.

## Syllabus

For each top-level area of the syllabus a percentage and K level is identified. The percentage is the exam coverage of that area, and the K level identifies the maximum level of knowledge that may be examined for that area.

### 1 Legal Framework (10%, K2)

In this topic area, the apprentice will describe and explain the main features and applicability of law, regulations and standards relevant to cyber network defence. The successful apprentice should be able to:

1.1 Describe and explain the relevance of the laws, regulations and standards relevant to the cyber intrusion analyst role.

- GDPR;
- Computer Misuse Act;
- ISO 27001;
- Police and Criminal evidence act 1984 (PACE).

1.2 Describe and explain the relevance of the main regulatory bodies for their industry sector.

- HIPAA (healthcare);
- Sarbanes-Oxley (listed companies with US presence);
- Basel III (international finance);
- PCI-DSS (all businesses that use credit cards);
- IASME (small to medium sized enterprises);
- NIST (US government and international defence).

1.3 Identify when to seek authoritative advice and who to contact.

## **2 Ethical Responsibilities (10%, K2)**

In this topic area, the apprentice will describe and explain the ethical responsibilities of a cyber security professional. The successful apprentice should be able to:

2.1 Describe the industry recognised code of ethics relevant to cyber security.

- SANS Institute;
- ISSA (Information Systems Security Association);
- The IISP qualification;
- CREST;
- ISACA's CISM qualification;
- ISC2's CISSP qualification;
- CCP and CISMP qualifications.

2.2 Describe where ethical behaviour of a cyber-security professional may differ from accepted norms in society.

- data integrity / file access;
- privacy;
- access of personal data and colleague's emails;
- key logging / snooping.

## Levels of Knowledge / SFIA Levels

This syllabus will provide apprentices with the levels of difficulty / knowledge skill highlighted within the following table, enabling them to develop the skills to operate at the levels of responsibility indicated. The levels of knowledge and SFIA levels are explained on the website [www.bcs.org/levels](http://www.bcs.org/levels). The levels of knowledge above will enable apprentices to develop the following levels of skill to be able to operate at the following levels of responsibility (as defined within the SFIA framework) within their workplace:

Level	Levels of Knowledge	Levels of Skill and Responsibility (SFIA)
<b>K7</b>		Set strategy, inspire and mobilise
<b>K6</b>	Evaluate	Initiate and influence
<b>K5</b>	Synthesise	Ensure and advise
<b>K4</b>	Analyse	Enable
<b>K3</b>	Apply	Apply
<b>K2</b>	Understand	Assist
<b>K1</b>	Remember	Follow

## Question Weighting

Syllabus Area	Target Number of Questions
1. Legal Framework	10
2. Ethical Responsibilities	10
<b>Total</b>	<b>20 Questions</b>

## Format of Examination

Type	20 Question Multiple Choice.
Duration	30 minutes. An additional 25% will be allowed for apprentices sitting the examination in a language that is not their native / mother tongue.
Pre-requisites	Training from a BCS accredited training provider is strongly recommended but is not a pre-requisite.
Supervised	Yes.
Open Book	No.
Pass Mark	13/20 (65%).
Calculators	Calculators cannot be used during this examination.
Total Qualification Time (TQT)	80 Hours, 53 GLH recommended.
Delivery	Online.

## Trainer Criteria

Criteria	<ul style="list-style-type: none"> <li>▪ Have 10 days' training experience or have a Train the Trainer qualification.</li> <li>▪ Have a minimum of 3 years' practical experience in the subject area.</li> </ul>
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## Classroom Size

Trainer to apprentice ratio	1:16
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