Course Title – BCS Essential Certificate	**Course duration –** 2 days
Exam - included	**Exam type -** Invigilated
Qualification – BCS Essential Certificate	

Course Syllabus

1. An Introduction to AI and Historical Development

1.1 State the definitions of key artificial intelligence terms.
1.2 Identify key milestones in the development of artificial intelligence.
1.3 Identify different types of AI.

2. Ethical and legal considerations

2.1 Identify the role of ethics in AI.
2.2 State key ethical concerns in AI.
2.3 Identify guiding principles in the use of ethical AI.

3. Enablers of Artificial Intelligence

3.1 List common examples of AI.
3.2 Identify robotics in AI.
3.3 Describe machine learning.
3.4 Identify common machine learning concepts.

4. Finding and using data in Artificial Intelligence

4.1 State key data terms.
4.2 Identify the characteristics of data quality.
4.3 State the risks associated with handling data in AI.
4.4 Identify data visualisation techniques and tools.
4.5 State key generative AI terms.
4.6 Identify the use of data in the Machine Learning process.

5. Using AI in your organisation

5.1 Identify opportunities for AI in your organisation.
5.2 Identify project management approaches.
5.3 Identify governance activities associated with implementing AI.

6. Future planning and impact – Human plus machine

6.1 Describe the roles and career opportunities presented by AI.
6.2 Identify AI uses in the real world.
6.3 Identify AI's impact on society.
6.4 Describe the future of AI.

Course Overview

Artificial intelligence (AI) has boomed in popularity and use in recent years and is now widely used. It's transforming industry and the future of technology by enabling systems to learn and mimic human intelligence. Our BCS Essentials Certificate in Artificial Intelligence provides an introduction into key AI terminology and tools and what they mean for society.

The syllabus covers the following aspects of AI: its history, ethical and sustainable AI challenges, key AI enablers like data, and the future of AI human interaction in the workplace.

This certification offers a broad yet straightforward first step into navigating the constantly evolving AI landscape.

Learning Outcomes

Upon completion of the award, you will be able to demonstrate:

- Key terminology in AI.
- Key legal, ethical and regulatory considerations in AI.
- The use of AI in an organisation.
- The potential future impact of AI on society and business.

Who should attend?

This award is suitable for any individual wishing to understand the opportunities presented by AI and how these can benefit an organisation.

Entry-Level Requirements

There are no specific entry requirements for this award. However, some professional experience in a business or IT environment may be helpful.

What's included?

2 day in-person classroom training or 2-day virtual online training

Exam information

This award is assessed through completion of an invigilated online exam which candidates will only be able to access at the date and time they are registered to attend.

Type	20 multiple choice questions
Duration	30 minutes

Supervised	Yes
Open book	No (no materials can be taken into the examination room)
Passmark	13/20 (65%)
Delivery	Digital format only

Adjustments and/or additional time can be requested in line with the BCS reasonable adjustments policy for candidates with a disability, or other special considerations, including English as a second language.

Qualifications

BCS Essentials Certificate in Artificial Intelligence

What else?

This award has been created alongside a selection of other awards available from BCS, which offer candidates a clear pathway of progression into other disciplines of IT. This makes it ideally suited for those looking for a change of career, an upskilling workforce, and sustainable employers.

This Essentials Certificate provides you with the basic understanding of Artificial Intelligence, providing you with the foundation to then progress towards an Artificial Intelligence Diploma qualification.