

Course Title – BCS Foundation Award – How AI can support your organisation	Course duration – 1 day
Exam - included	Exam type - Invigilated
Qualification – BCS Foundation Award - How AI can support your organisation	

Course Syllabus

1. The evolution of AI

- 1.1 Outline a brief history of AI and how it has evolved over time.
- 1.2 Describe the key features of the 3rd and 4th Industrial Revolution.

2. Shape and structure of organisations

- 2.1 Describe the different features of different organisational structures.
- 2.2 Explain the purpose of the mission, vision, values, and organisational strategies.
- 2.3 Describe the factors that influence organisational culture.

3. The role of AI in an organisation

- 3.1 Identify ways AI and learning from experience can improve the process of an organisation.
- 3.2 Identify the use of AI to improve product.
- 3.3 Explain the need for humans and artificial intelligence to work together to deliver optimal results.

4. Assessing the business environment

- 4.1 Apply external analysis tools for analysing position.
- 4.2 Identify enabling factors for AI.
- 4.3 Apply internal analysis tools for analysing current position.

5. The art of the possible

- 5.1 Explain methods to propose new ideas and concepts to the decision makers in an organisation.
- 5.2 Identify components of a creative thinking environment.
- 5.3 Describe what is meant by user centred design.
- 5.4 Explain the value of iterative and incremental design.

Course Overview

This award is designed for those wishing to gain an understanding of how artificial intelligence (AI) can play a role shaping the future of their organisation.

You will explore the evolution of AI from its inception to present day and identify potential future AI opportunities which exist to drive organisational strategy at all levels. You will consider how AI can make improvements to processes, products and services, enabling an organisation to gain a competitive edge within the market, and the benefits and potential implications it has for the human workforce.

Learning Outcomes

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

- An understanding of the evolution of AI
- An understanding of the shape and structure of organisations
- An understanding of the role of AI in an organisation
- An understanding of the art of the possible

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?

1 day in-person classroom training or 1-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	18 multiple choice questions, 1 scenario-based question
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 Foundation Award -

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 award counts towards achieving your Foundation Certificate in AI and/or your Foundation Diploma in AI.

To receive the Foundation Certificate in AI you need to achieve **four awards** – one award from each of the categories

1. **Business innovation**
2. **Data**
3. **Ethics**
4. **Machine learning and other AI techniques**

To receive the Foundation Diploma in AI you need to **achieve eight awards in total** – one or more award from each of the categories

The courses are as follows:

- **How AI can support your organisation**
- **How to manage risk**
- **Understanding the problem and implementing the solution**
- **Understanding data in your organisation**
- **Big Data**
- **Data visualisation**
- **Understanding ethical principles in the IT profession**
- **Understanding the role of ethics in the responsible use of AI**
- **AI and the digital ecosystem**
- **Knowledge-based systems**
- **Smart products, robotics and automation**
- **Machine learning**
- **Generative AI**