

Course Title – BCS Foundation Award – Generative AI	Course duration – 1 day
Exam - included	Exam type - Invigilated
Qualification – BCS Foundation Award – Generative AI	

Course Syllabus

1. What is Generative AI?

- 1.1 Describe key generative AI terms.
- 1.2 Describe common uses of generative AI.
- 1.3 Describe the role of machine learning in generative AI.

2. How Generative AI works

- 2.1 Describe the stages of the generative AI process.
- 2.2 Explain the use of data in generative AI.
- 2.3 Describe the role of transformers.
- 2.4 Describe the role of feedback in generative AI.

3. Prompting Generative AI

- 3.1 Explain the role of prompts.
- 3.2 Describe types of prompts and their uses.

4. Validating and checking the output

- 4.1 Describe the need to quality check the output of generative AI.
- 4.2 Explain methods used to validate the output of generative AI.

5. Ethical and legal concerns

- 5.1 Describe the ethical considerations when developing generative AI.
- 5.2 Describe the legal and regulatory considerations when developing generative AI.
- 5.3 Explain how to mitigate against common AI risks.

Course Overview

Generative AI is rapidly becoming one of the most exciting and influential technologies today. It can create realistic digital art, write sophisticated text, and enhance various business processes.

Generative AI represents a major shift in organisations – how they operate, interact with customers, and develop new products and services. As more organisations adopt AI solutions, understanding how generative AI works and how to use it is essential for individuals and organisations.

Our BCS Foundation Award in Generative AI provides you with a solid introduction to this advanced technology. This award is an ideal introduction for anybody wishing to understand the basics of using generative AI, its future potential, and the associated ethical and legal concerns.

Learning Outcomes

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

- The meaning of AI, including its history and key principles.
- The legal, ethical and regulatory considerations when using AI.
- How humans can use AI to support business activities.
- How to identify opportunities for AI and implement them.
- The impact of AI on the future of 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?

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	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 Foundation Award - Generative AI

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**