# ARTIFICIAL INTELLIGENCE (AI) DATA SPECIALIST

## LEVEL 7
## HIGHER APPRENTICESHIP
## 2021/22

Artificial Intelligence solutions are continuing to become more engrained in our lives.

The Level 7 Artificial Intelligence Data Specialist apprenticeship programme is designed to enable learners to develop a deep technical knowledge that allows the discovery and creation of these new data-driven AI solutions.

These solutions should help to automate and optimise business processes and to support, augment and enhance human decision-making.

**DURATION:** 15 months + End Point Assessment, typically 6 months

**AWARD:** Artificial Intelligence (AI) Data Specialist Higher Apprenticeship

**APPRENTICESHIP CERTIFICATE:** ESFA

**LOCATIONS:** Real-time live online learning

**START DATES:** October, January, April, July

**APPRENTICESHIP STANDARD:** Level 7 Artificial Intelligence (AI) Data Specialist

**ENTRY REQUIREMENTS:** An honours degree (2:2 or above) in an appropriate discipline, or with the appropriate aptitude for a role in technology; in full-time employment

**MODE OF STUDY:** Part-Time, blended and work-based learning

**ASSESSMENT METHODS:** Research-informed assignments and work-based projects, weekly quizzes, End Point Assessment (EPA)

# Become an AI data trailblazer

AI Data Specialists carry out applied research to create innovative data-driven artificial intelligence (AI) solutions to business problems within the constraints of a specific business context.

Through this programme learners will be equipped with the skills to work in a range of Machine Learning and AI jobs, including but not limited to:

- → AI Strategy Manager
- → AI Engineer
- → AI Specialist
- → Director of AI
- → Machine Learning Engineer
- → Machine Learning Specialist

**Evidencing 20% off-the-job learning**

Employers and training providers need to meet a 20% off-the-job training requirement. We help advise on how best to do this.

Our apprenticeship facilitates off-the-job learning - it includes online and on-the-job learning.

**NOTE:**

Evidence of Level 2 English and Maths is required to complete the apprenticeship.

## Example modules

All modules are core and last 10 weeks plus assessment week(s).

- → Programming for Artificial Intelligence
- → AI and Digital Innovation
- → Data Science Principles
- → Machine Learning Using Cloud Computing
- → AI and Data Science Professional Practice
- → Disruptive Leadership for Sustainable Strategy

**What is Professional Practice?**
This is a self-guided module that allows learners to tailor the programme to the environment they work in. It is an opportunity to develop specialist AI skills.

**End Point Assessment (EPA)**
This programme culminates with an EPA with the British Computing Society (BCS). Learners will present and discuss their project report and sit a technical test.