

COURSE OVERVIEW

AI and Automation Practitioner (Level 4)

Delivered over a period of **18-months**, this apprenticeship is ideal for individuals who are enthusiastic about technology, innovation, and improving business processes. The maximum funding for the training and assessment is **£18,000**.

- ▶ AI and automation concepts, models and limitations; capabilities, benefits and risks of AI, cloud and third-party solutions
- ▶ Prompt engineering - creating and iteratively refining prompts for accurate, useful outputs
- ▶ Building and integrating solutions with automation design tools, APIs and low/no-code methods; testing methodologies
- ▶ Legal and regulatory frameworks - GDPR, data protection, equality and employment law; algorithmic bias, fairness metrics and mitigation
- ▶ Governance and assurance - risk assessment, auditability, human-in-the-loop safeguards, monitoring for model drift and degraded performance
- ▶ Change management, stakeholder communication and training delivery for non-technical audiences
- ▶ Project management principles; cost-benefit analysis and reporting on efficiency savings

Entry Requirements:

Individual employers will set the selection criteria. Level 2 English and Maths must be achieved for 16 – 18 year olds, prior to taking the end-point assessment.

This course is delivered through blended learning approaches to include **bi-monthly** classroom, online certificated technical training and through regular workplace projects and observations. Programmes can be tailored or delivered in-house for **6 or more learners**.

This apprenticeship is recognised for entry onto the RiTEch register of IT Technicians.

Click [here](#) to see the corresponding Skills England page.