

CONSTRUCTION DESIGN AND BUILD TECHNICIAN APPRENTICESHIP LEVEL 4



For new or existing staff

A Construction Design and Build Technician is a key technical role found in construction, built environment and engineering sectors. Technicians bridge the gap between design and construction, coordinating project technical specifications, using BIM software, managing data, and ensuring compliance with safety and sustainability regulations.

Qualification

Higher Technical Qualification in Construction and Built Environment (HTQ Level 4)

Completers may want to progress to

- Design and construction management degree
- Architectural assistant integrated degree

Delivery model and duration:

Apprentices will attend college one day per week.

Duration: 36 months plus End Point Assessment

Ideal for:

- Design and build coordinator
- Architectural technologist
- BIM technician
- Construction site technician
- Engineering technician

The apprenticeship will cover the following core areas:

- Construction technology and materials
- Design development and documentation
- Health and safety compliance
- Project management
- Site inspection and management
- Environmental and sustainable principles

Benefits to business:

- Develop confident, competent employees
- Prepare your workforce for modern construction challenges
- Offer internal development routes to motivate and retain existing employees
- Strengthen your team's capabilities in digital, sustainable, and regulated construction practices.

Benefits for learners:

- Combine on-the-job training with academic study to gain the latest technical knowledge and practical industry experience at no cost.
- Gain a valuable, nationally recognised qualification.

Entry Criteria:

- 5 GCSEs including English and Maths at grade 9 - 4 or A* - C.
- Or 3 A Levels, a Level 3 Diploma, or relevant construction experience

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Gloucestershire College

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Components

English and Maths Level 2

End Point Assessment

The End Point Assessment will test the entire Standard, and will consist of:

- Multiple choice test
- Project
- Professional discussion underpinned by the portfolio of evidence

Knowledge, Skills and Behaviours

Knowledge

- Technical design
- Sustainability
- Compliance
- Building technology

Skills

- BIM use
- Design production
- Communication
- Site inspection
- Data analysis

Behaviours

- Collaboration
- Professionalism
- Commitment to safety