



# Level 3

## Digital Built Environment Apprenticeship

# Level 3

# Digital Built Environment Apprenticeship

## Summary

Apprentices on this programme will produce detailed solutions to achieve the optimum performance of built environment projects via digital models and presentations. Apprentices will typically support Digital Engineers in completing complex tasks, specifically:

- Virtualisation/simulation of construction, design and management of assets
- Digital measurement of design, production and management of assets
- Communication of engineering principles to stakeholders digitally
- Integration of construction data throughout the life cycle of the asset
- Adherence to the standards/regulations of digital information

## Entry Criteria

We would expect apprentices to have achieved 5 GCSEs including Maths and English at grade C/4

## Attendance

Apprentices will attend college one day a week (during term-time only) at our Cronton College campus.

## Duration

36 months + EPA

## What will I learn?

Training will include:

- Know how engineering principles work in the built environment and their purpose. Understand various management principles and the project management lifecycle.
- Aware of principles of the commercial procedures and reporting on all stages of construction project and an appreciation of commercial risk. Aware of financial and legal obligations and constraints for all stakeholders.
- Understand how proposals for design briefs, recommendations, programmes and detailed designs are prepared.
- Understand the importance of project planning and resourcing and be able to analyse different digital engineering (DE) techniques, such as simulation of construction logistics
- Assess and record the environmental impact of project. Using models to demonstrate the reduction of waste.
- Assist in the implementation of innovation, contributing to case studies that demonstrate value.
- To identify where the current role ties in to the construction industry. Articulating the respective position in the construction sector and highlighting how it integrates with other sectors.

# The Apprenticeship Journey

## Initial Steps



### Make an application

- Via your employer
- Or for a new apprenticeship vacancy

### Interview Stage

(NA for existing employees)

### Initial Assessment

Functional Skills  
(if required)

## Your Apprenticeship



### Induction (0-3 Months)

- Start with employer
- Enrolment/commence college course
- Understand expectations

### On Programme (3- 36 months)

- Continue attending college (once a week)
- Work towards objectives
- Develop portfolio

### Gateway (36 months+)

- Complete mandatory qualifications
- Level 2 Maths/English
- Sufficient Portfolio
- Employer reference

## Your End Point Assessment



### End Point Assessment (36 months+)

- Distinction, Merit, Pass, Fail marking

#### Assessment Type

Interview

Synoptic Project



# How To Contact Us

---



---

## Employer Services:

**Phone:** 0151 257 2828

**Email:** [enterprise@riversidecollege.ac.uk](mailto:enterprise@riversidecollege.ac.uk)

**Website:** [www.riversidecollege.ac.uk/apprenticeships](http://www.riversidecollege.ac.uk/apprenticeships)

**Twitter:** @riversidecoll

---

