

# Engineering

## Engineering: Project Controls Technician Level 3 Apprenticeship

### In Brief

#### Start Date / Duration

This apprenticeship programme can be started at any time and runs for 39 months.

#### Entry Requirements

- Five GCSE grades 9-4/A\* – C (or equivalent qualifications) including mathematics and English (Language)
- Apprenticeship offer

#### You will achieve

Project Controls Technician Level 3 Apprenticeship Standard

### Course Overview

A Project Controls Technician controls, monitors and systematically analyses progress and performance data on engineering, manufacturing, construction and infrastructure projects. They require strong analytical skills and a practical approach to interpret technical information. They use specific, complex software tools to undertake a wide range of project controls tasks, including: identifying the right data for scrutinising progress; setting baseline targets; tracking progress and performance; forecasting trends; identifying, modelling and anticipating deviations from baseline; assessing the impact of design/construction changes; and using insight to recommend early preventative and remedial actions.

Project Controls includes the technical disciplines of estimating, planning, scheduling and cost engineering for which this apprenticeship gives a comprehensive grounding leading to roles such as project controller, estimator, planner, scheduler and cost engineer. Typically job holders work in large project teams on complex projects in sectors such as construction, manufacturing, engineering, energy and infrastructure – where detailed progress /performance tracking, and an understanding of on-site hazards, health and safety requirements and compliance is critical. This hands-on role is crucial to ensuring the successful delivery of complex projects and a shortage of skilled professionals provides opportunities for a secure, fulfilling long-term career.

Click here [<https://www.instituteforapprenticeships.org/apprenticeship-standards/project-controls-technician/>] for further information regarding the Standard Apprenticeship

### Course Content

The Project Controls Technician requires an understanding of:

- Project controls
- Technical information
- Estimating practice
- Planning and scheduling practice
- Cost engineering practice
- Work breakdown and coding structures
- Tracking data and progress reporting
- Analysis techniques
- Technical, engineering and mathematical principles
- Importance of safety
- Employer organisation, management systems, and procedures
- Commercial matters
- Project controls related software and IT systems

## How will I be assessed?

You will be assessed by assignments, on-line tests and workplace observation. There will be an end point assessment for this apprenticeship.

## What Equipment Will I Need?

All equipment will be provided.

## Where will I study?

You will study within the workplace and attend classes if required at Barnsley College's The Cube (Construction Centre), Honeywell Lane, Barnsley S75 1BP

## What can I do next?

This is a Level 3 Apprenticeship. On completion the apprentice will be eligible to apply for membership of the Association of Cost Engineers (ACostE) as a Graduate Member, and will also be eligible to apply for registration as an Engineering Technician (EngTech), subject to having suitable engineering experience and undergoing a professional review process.

With further training following on from the apprenticeship, individuals may choose to specialise in specific sectors or related roles which could lead to membership of other related professional bodies.

## How much does the course cost?

There is no cost to being an apprentice. All costs associated with your apprenticeship, including the cost of training and your salary, will be paid by your employer.

## Financial support

You may be eligible for assistance with expenses such as travel, books, equipment and childcare. For further information please contact the Student Services Team on +44 (0)1226 216 267.

## Extra information

### Contact the Apprenticeship Team

For further information please contact the team on 01226 216166 or email: [apprenticeships@barnsley.ac.uk](mailto:apprenticeships@barnsley.ac.uk) [mailto:apprenticeships@barnsley.ac.uk]

### Contact the Information Unit

For further information please contact our friendly Information Team on +44 (0)1226 216 123 or email [info@barnsley.ac.uk](mailto:info@barnsley.ac.uk) [mailto:info@barnsley.ac.uk]

### Want to join Barnsley Sports Academy and the Sports Village?

Barnsley College has a range of sports opportunities for all students to take part in, gain professional training and compete nationally and internationally. We also have a state-of-the-art fitness village, Honeywell Sports Village [<https://www.barnsley.ac.uk/shops-services/honeywell-sports-village/>] where students can make use of our fitness suite, spinning studio and classes for competitive rates. You don't have to be studying sport to get involved in the Sports Academy [<https://www.barnsley.ac.uk/our-departments/sport/sports-academy/>].

### Additional Learning Support

Our Additional Learning Support team can provide you with the support you need. Please contact them on +44 (0)1226 216 769.

### English and Maths

Having good English and Maths qualifications are important for most careers and we want to give you the help you need to succeed.

If you are aged 16 – 19 and don't already have a grade C/4 or above in GCSE English and Maths they will automatically be included in your study programme. If you want to work towards higher grades in English and Maths we can help you do that too.

Need a higher level Maths qualification? We offer a [Level 3 Mathematical Studies \(Core Maths\)](#).

This can be added to your study programme.

If you need any further information, please contact our friendly [Information Team](#).

### Disclaimer

Please note we reserve the right to change details without notice. We apologise for any inconvenience this may cause.

**Last updated:** 3rd August 2022

### **Want to apply?**

Visit <https://www.barnsley.ac.uk/apply> to get started  
Call us on **01226 216 123**