

Apprenticeships +

Construction  
Design and Build  
Technician

Apprenticeship  
Level 4





## Quick Information

### New Apprenticeship Standard designed by employers for employers

**Sector**

Construction / Civil Engineering

**Who is it for?**

Trainee design technicians

**Start date**

September start

**Level**

Level 4

**Duration**

The typical duration for this Apprenticeship is three years but this will depend upon the previous experience of the Apprentice and access to opportunities to gain the full range of competence

**How does it work?**

Attending Sheffield college 1 day a week, Studying a HNC Construction for 2 years and working towards an End Point Assessment in year 3.

**Content**

The purpose of BTEC Higher Nationals in Construction and The Built Environment is to develop students as professional, self-reflecting individuals able to meet the demands of employers in the construction and the built environment sector and adapt to a constantly changing world. The qualifications aim to widen access to higher education and enhance the career prospects of those who undertake them.

**Assessment**

The HNC is an assignment based qualification, studying 8 units over the 2 years.

**Qualification**

Pearson BTEC Level 4 Higher National Certificate and the Built Environment (Construction).

**Additional qualifications**

GCSE English and Maths (Grade C or above); Apprentices without level 2 English and Maths will need to achieve this level prior to taking the End Point Assessment.

**Review**

This Apprenticeship standard should be reviewed three years after approval of the standard.

## Construction Design and Build Technician

Helping with essential building tasks such as planning, designing and project management

The main duties and tasks of a Construction Design and Build Technician are:

- Identification of client requirements in construction projects
- Identification of health and safety risks in the design of projects
- Checking of compliance with regulations on a construction project
- The minimisation of the environmental impact of construction projects
- Assisting architects with the development of detailed design on a construction project
- Co-ordinate design information on a construction project
- Monitoring of quality on a construction project
- Assisting commercial staff with the monitoring of costs on a construction project



## Key Areas of Study

The Knowledge, skills and behaviors content are embedded within the course either within the HNC or the portfolio of evidence that is to be collated with the help of the Work Based Assessor.

## Typical job roles

Assistant Design Co-ordinator or Design and Build Co-ordinator. In the case of SME construction companies the roles are likely to include Design Co-ordinator or Design Manager. They are associated with the co-ordination of design information on construction projects and are based on construction sites with occasional time in offices.

## Knowledge

What is required:

- **Client Requirements:** Know how to analyse client requirements and ensure comprehensive survey information
- **Health and Safety:** Understand risk assessment of design solutions and the importance of behaviours in safety-critical environments
- **Sustainability:** Understand the sustainability issues in projects across economic, social and environmental aspects
- **Construction Technology:** Understand different construction methods and materials and building regulations
- **Develop Designs:** Understand how to develop detailed designs in line with client requirements and construction process
- **Design Documentation:** Understand how to co-ordinate design information in both electronic and paper form
- **Monitor Compliance:** Understand construction contracts and client quality standards
- **Monitor costs:** Understand the importance of cost control on a construction project

## Skills

What is required:

- **Client Requirements:** Assist in the assessment and presentation of client requirements
- **Health and Safety:** Identify risk in designs and suggest actions to reduce risks
- **Sustainability:** Assess, identify and record the environmental impact of projects
- **Construction Technology:** Assist in the implementation of the most appropriate solutions for construction projects whilst maintaining adherence to building regulations
- **Develop Designs:** Prepare and present design proposals and solutions
- **Design Documentation:** Control document production and design information
- **Monitor Compliance:** Inspect and report on quality standards and assist in commissioning of finished construction projects
- **Monitor Compliance:** Understand financial and legal constraints and measure and record progress against budget

## Behaviours

What is required:

- **Professional Judgement:** Be able to work within own level of competence and know when to seek advice from others
- **Commitment to Code of Ethics:** Understand and apply the Code of Conduct and conduct regulations, ethics and professional standards relevant to industry's recognised professional bodies
- **Continuing Professional Development:** Identify own development needs and take action to meet those needs. Use own knowledge and expertise to help others when requested
- **Commitment to Equality and Diversity:** Understand the importance of equality and diversity and demonstrate these attributes so as to meet the requirements of fairness at work
- **Communicate Effectively:** Be able to contribute effectively to meetings and present information in a variety of ways including oral and written
- **Work in Teams:** Be able to work with others in a collaborative and non-confrontational way
- **Demonstrate Innovation:** Be able to identify areas for improvement and suggest innovative solutions

## Training, Tutoring and Assessment

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We are committed to delivering a course that facilitates the students need to progress in education to allow them to expand their knowledge and experience to help with the opportunity of promotion within their own companies.

Our expectations are that the student fully engages with the course programme, allocating sufficient time with their studies at college and self directed studying and with the full support of their employers.

## End Point Assessment

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The EPA must be completed within an EPA period lasting typically 6 months, beginning when the Apprentice has passed the EPA gateway. The EPA consists of 3 discrete assessment methods. The individual assessment methods will have the following grades:

### Assessment method 1: Online test

- Pass
- Fail

### Assessment method 2: Project

- Pass
- Fail
- Distinction

### Assessment method 3: Professional discussion

- Pass
- Fail
- Distinction

### Performance in the EPA will determine the overall apprenticeship standard and grade of:

- Pass
- Fail
- Distinction

For more information on the assessment for the **Construction Design and Build Technician** Apprenticeship please see the full assessment plan in the Apprenticeship Standard documentation. We will arrange the End Point Assessment.



## Apprentice Entry Requirements

Individual employers will determine their own entry requirements, but the typical entry requirements for this Apprenticeship will be five GCSEs or equivalent, including Maths, English and a Science; or a level 3 certificate in a closely aligned qualification.

## Link to professional registration

This Apprenticeship will include the knowledge, skills and behaviours typically required to achieve Technician status or the equivalent with the industry's recognised professional bodies. The final assessment process for this Apprenticeship will typically be representative of the review process required for professional registration.

## Other Qualifications

The following qualification will be gained:

A Level 4 qualification in Construction and Built Environment that meets the knowledge requirements of the standard and is approved by the industry's recognised professional bodies meeting the educational requirements for Technician status or the equivalent level of membership.

English and Maths; Apprentices without level 2 English and Maths will need to achieve this level prior to taking the End Point Assessment.

## More Information

To find out more about the opportunities and financing of Apprenticeships and to discuss your particular requirements, please email [apprenticeshipsandtraining@sheffcol.ac.uk](mailto:apprenticeshipsandtraining@sheffcol.ac.uk) or call **0114 260 2600** to speak to one of our friendly employer advisors.

## Get In Touch

### Email

[apprenticeshipsandtraining@sheffcol.ac.uk](mailto:apprenticeshipsandtraining@sheffcol.ac.uk)

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0114 260 2600

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## Why choose The Sheffield College?

As one of the region's largest providers of Apprenticeships, The Sheffield College is more than just your local provider; we deliver the dedicated support you need to source, train and get the best out of your Apprentice.

*We appreciate how difficult and time consuming it can be to recruit suitable staff. That's why we will source, shortlist and prepare candidates before you meet them.*

*We help you get the best deal by finding the right funding and we handle the paperwork to make the process of arranging an Apprenticeship training programme as smooth as possible. Our Employer Partnership Team, Apprenticeship Tutors and assessment staff are experts, and we invest time and money in training and upskilling them regularly so their knowledge is up-to-date and industry standard.*

*At The Sheffield College we go above and beyond; we know that every business is different and we help to develop Apprentices who will meet the needs of your business.*