



Training in Architecture
Engineering & Construction

2018/2019

Apprenticeship Information Brochure

OVERVIEW

ABOUT US

We are a National Training Provider offering a variety of Apprenticeship Programmes including Design & Draughting, Digital Construction/Engineering, Construction Professional/Technical & Project Control.

We also offer a number of short courses, evening courses and NVQ only training at our training suite in Barnsley or on site/in the workplace. All our training is aimed at the Architectural, Engineering & Construction sectors and is delivered by our team of industry experts.

T3 Training & Development was formed to initially address the significant lack of formal/specialist training in the construction industry for engineers and technicians. Therefore, we have developed various intensive fast track programmes along with high quality training and assessment methods to deliver apprentices into the workplace with the skills, knowledge and understanding required of their job role.

CONTACT DETAILS

We have offices in Barnsley, Retford & Bristol.

Head office: c/o BBIC, Innovation Way, Barnsley, S75 1JL

Training Suite: Think Low Carbon Centre, Honeywell Lane, Barnsley, S75 1BP

Telephone: 01226 610201

Email: training@t3-uk.com

Website: www.t3-training.com

WHAT IS AN APPRENTICESHIP

An Apprenticeship is a genuine job with an employer along with a structured training plan in order to gain skills, knowledge and behaviours required in that job role. It means you can earn while you learn and gain nationally recognised qualifications and standards.

You will gain valuable on the job experience, whilst earning a wage, and working towards achievement of a nationally recognised apprenticeship standard.

An Apprenticeship with T3 Training & Development is a great way to access specialist training, practical experience and knowledge that can be used throughout your career. Our mission is to deliver high quality training to people wanting to develop a career in the Architecture, Engineering & Construction Sector.

We work with employers both locally and nationally to recruit apprentices that will meet the needs of their growing business and offer industry led training programmes.

Apprenticeships are being widely encouraged and promoted by the government to give young people further options when leaving school and they offer incentives to employers to recruit apprentices to join and expand their workforce.

Apprenticeships are an ideal progression route if you prefer to learn in a hands on and practical environment that will give them the work experience that college and sixth form can't.

Sixth Form and College are not the only option when you leave school and applying for an apprenticeship may not have been offered as an opportunity, however with 100's of employer's advertising apprenticeship vacancies it seems like the best option for a young person to earn money, gain work experience and qualifications that will still lead to progression opportunities where you can attend university and achieve a degree in your chosen field.

WHY AN APPRENTICESHIP?



You can only apply for University once a year, whereas an apprenticeship can start at any point throughout the year



Apprentices earn up to £100,000 more than those who go to university



Industry experience, making you stand out!



Rocket to success start working today!



No debt as training is fully funded



Gain an industry led qualification in a specialised area.

ENTRY REQUIREMENTS

Generally, employers request that applicants meet the following requirements:

- 5 GCSE's 4-9 (A-C) including Maths, English and Science
- Genuine interest in Construction, Engineering or Architecture
- Desirable qualities:
 - Interest in Design Technology, Art, IT
 - Good communication skills
 - Attention to detail

PROCESS

Employers contact T3 Training & Development looking to recruit an apprentice. We discuss all the employer's requirements and advertise their apprenticeship vacancy for them. We advertise these by way of Indeed, on our social media pages, on our website and on the National Apprenticeship Website. We also advertise the vacancies at school / career events and at our own events.

We review all applicants to ensure they meet the employer's requirements. We also carry out the initial interviews at our training facility and approve candidates ready to submit to the employer.

Once all candidates have been interviewed the approved candidates are submitted to the employer. The employer will review these and select the candidates they would like to interview.

Employer interviews normally take place at the employer's office address. They will ask a series of questions in all candidate interviews. Once all of the interviews have taken place, they will decide who they would like to employ as their apprentice and offer the position to the right candidate.

Once the offer has been accepted by the candidate, they can start the apprenticeship program. This will include being inducted onto the course, initial assessments will be completed and if you require any additional support this will be identified.

Depending on the type of apprenticeship you sign up to will depend on what training and what qualification you will be enrolled on. This is all mentioned in our apprenticeship programme information.

WHO WE WORK WITH

Here are a few examples of who we currently work with:



OUR TRAINING PROGRAMMES

DESIGN & DRAUGHTING APPRENTICESHIP

Suitable for people interested in the following careers:

CAD Technician, Reinforcement Engineer, Architectural Assistant, Design Assistant, Structural Engineering Technician, BIM Technician, Draughtsperson

A design and draughtspersons produce designs and drawings for all the components used in industrial and commercial construction.

Engineering design is needed in the modern world and is all around us. Whether its developing buildings, bridges, power stations, underground tunnels or components for engineering systems, every part of our existence is subject to change, development and improvement.

The essential skills of Computer Aided Design using modern software and advanced technologies to design and create are part of the training and development involved in this role.

What is involved?

The skills you will develop:

- Create technical drawings to specifications and draughting conventions
- Develop design options as solutions to construction engineering problems
- Think innovatively and communicate effectively
- Communicate design information to internal and external parties
- Complete designs, produce and handover the final design package

The knowledge you will gain in:

- Understand technical drawings and specifications
- Health & Safety and environmental implications
- Interpret technical information
- Understand factors that affect design

What qualifications will you achieve:

As part of the Design and Draughting Apprenticeship you will complete the following:

- 30 Month Apprenticeship programme
- Specialist Training programme
- Level 3 in Design and Draughting
- Level 3 Diploma in Construction and the Built Environment

You can then progress on to a Higher Apprenticeship, HNC or Foundation Degree

DIGITAL ENGINEERING APPRENTICESHIP

Suitable for people interested in the following careers:

Digital Engineering/Construction Technician, CAD/BIM Technician, Design Assistant, Structural Engineering Technician, Surveyors or Site Engineers

This role will involve working with the digital lead/information managers, key stakeholders and wider project to facilitate the implementation of digital engineering and construction throughout the business.

The role is to produce detailed solutions to achieve performance of built environment projects via digital models and presentation using software, sketches and electronic visualisations. A supporting role for a Digital Engineer or other functional specialists completing complex tasks such as:

- Digital measurement of design, production and management assets
- Communication of complex engineering principles to stakeholders digitally
- Integration of construction data and information throughout the whole lifecycle of the asset
- Adherence to the standards and regulations of digital information

What is involved?

The skills you will develop:

- Produce detailed design solutions for the built environment
- Complete engineering designs, drawings and schedules
- Communicating design options
- How to carry out measured surveys
- How to create BIM models

The knowledge you will gain in:

- Evaluating and understanding factors affecting design
- Developing engineering design options and evaluating them
- Maintaining professional relationships and practice
- Understanding BIM models and using BIM tools

What qualifications will you achieve:

As part of the Apprenticeship you will complete the following:

- 30 Month Apprenticeship programme
- Specialist training programme
- NVQ Level 3 in Built Environment Design
- Level 3 Diploma in Construction and the Built Environment

You can then progress on to a Higher Apprenticeship, HNC or Foundation Degree

PROJECT CONTROL APPRENTICESHIP

Suitable for people interested in the following careers:

Project Control, Construction Site Management, Project Engineers, Planners, Logistics Control, QS, Post Graduates, Junior Management

In this type of role, it is typical for project controllers to work in large project teams on complex projects in sectors such as construction, manufacturing, engineering, energy, transport, utilities, infrastructure – where detailed progress/performance tracking, and an understanding of on-site hazards, health and safety requirements and compliance is critical.

Your role will include tasks such as estimating, planning, scheduling and cost control. A Project Controller identifies and develops project controls such as programmes, cost breakdowns, budgets and schedules, while considering external factors, risks and commercial requirements.

You will learn the fundamental aspects of project control, such as the project processes, document controls, procurement, monitoring, commissioning and handover. You will work towards improving performance which will lead to a direct impact on site management throughout.

What is involved?

The skills you will develop:

Fundamentals of Project Control

Progress Monitoring

Continuous Improvement Techniques

Estimating, Planning and Costing

Document Control

Technology and Innovation

The knowledge you will gain in:

- Interpreting technical information
- Analysing performance and forecasting trends
- Understanding H&S Hazards and H&S Compliance
- Improving build performance

What qualifications will you achieve

As part of the Apprenticeship you will complete the following:

- 30 Month Apprenticeship Programme
- Specialist training programme
- Level 3 Diploma in Project Controls Practice & Techniques

Achieving this apprenticeship programme can enable you to progress on to a Higher Apprenticeship

CONSTRUCTION TECHNICAL & PROFESSIONAL APPRENTICESHIP

Suitable for people interested in the following careers:

Site Technician, Quantity Surveyor, Estimator, Site Surveyor, Design Project Control, Buyers, Assistant Site Managers, Building Control, Planning, Site Technical Support

This apprenticeship is suitable for various professional roles in the construction industry, it also provides the opportunity to progress onto higher levels in construction. It gives you the opportunity to develop knowledge and skills related to the construction and the built environment sector. We offer apprenticeship roles in various careers such as:

Estimator: Collects and analyses data in order to estimate the time, money, materials and labour required to construct a building or provide a service. They are involved in projects at the early stages.

Quantity Surveyor: Their role is to monitor the project finances and contractual relationships. They make sure the financial position of construction projects is accurately reported and controlled effectively.

Site Surveyor: The role of a land surveyor in construction includes the measurement of properties sold or purchased. Surveyors locate buildings, roads and utilities for real estate developers, or measure the exact limits of mining claims, and mark their locations on the maps collectively known as surveys.

What is involved?

The skills you will develop:

*Operate Health, Safety & Welfare Systems
Operate Project Information systems*

*Prepare programmes and Schedules
Role specific duties*

The knowledge you will gain in:

- Construction Principles and Technology
- Maths & Science in Construction
- Sustainability
- Building regulations and control

What qualifications will you achieve

As part of the Apprenticeship you will complete the following:

- 2 year apprenticeship programme
- NVQ Level 3 in Construction Contracting Operations – *delivered in the workplace*
- Level 3 BTEC in Construction and the Built Environment – *Day Release or Remote Delivery*

Achieving this can enable you to progress on to a Higher Apprenticeship, HNC or Foundation degree.

SHORT COURSES

We also offer a variety of short courses as follows;

- BIM Fundamentals
- Autodesk Revit
- AutoCAD
- Reinforcement Detailing
- CAD RC Training

EVENTS

We host “Have a Go day” events where you can attend the one-day event to experience the role of a CAD Technician, Structural Engineer, Architectural Technician or BIM (Building Information Modelling) Expert.

You will be introduced to various job roles within the Architectural, Engineering & Construction sector and have the chance to apply for the apprenticeship vacancies we have on offer.

You will see how buildings are designed and have a go on the software’s used in the industries - AutoCAD (Computer Aided Design), Revit & Tekla - 3D Modelling.

You can also undertake a short mock interview to help you further when applying for job roles in the industry and ask any questions you may have to find out if this is the right career for you.

RECENT FEEDBACK FROM LEARNERS

Here is some recent feedback from students who have completed the Specialist Training course with ourselves:

“Very useful and helps you gain knowledge about the different software’s used. Very enjoyable”

“Because of this course I will now be able to improve my knowledge and skills of the software when I’m back at my workplace”

“They have given me a good foundation to work from and gave me confidence to go back to my employer ready to work”

“The course has been very good and very useful, and I’ve learned a lot of new skills”

“Very good teaching and anyone can learn a lot even if they have never used CAD before”

“It is easy to learn thanks to good quality teaching and software is of a high standard”

“My knowledge has improved massively since I have been on this course. Overall an amazing course”

HOW TO APPLY & SOCIAL MEDIA

To apply for any of our vacancies or to mark your interest in our future events you can email your details to training@t3-uk.com.

You can also request and complete our application form if applying for a vacancy again this can be requested via email.

You can also call us on 01226 610201 if you have any questions or if you would like to discuss a vacancy we have.

We do advertise all of our vacancies on our website and on social media. Below is a list of those details.

Website: www.t3-training.com

Facebook: T3.Traininganddevelopment

Twitter: T3_TandD

Instagram: t3.training

LinkedIn: T3 Training & Development