

DIGITAL ENGINEERING TECHNICIAN Apprenticeship



STUDENT FACTSHEET
YOUR FUTURE STARTS HERE

Completing complex tasks using digital engineering techniques such as virtualisation and simulation of design, construction and management of assets. The occupation covered by this standard is associated with the built environment where an apprentice will perform the role of Digital Engineering Technician.

Key Information

Level	3
Duration	Typically 36 months
Entry requirements	- 16 years or over. - Please contact our Apprenticeship team for further entry requirements.
Delivery	A minimum of 30 hours of on the job training at work place, 2 days per week including a day to study theory at our Uxbridge campus
Occupational profile	<p>The role is to produce detailed solutions to achieve the optimum performance of built environment projects via digital models and presentations using software, sketches and electronic visualisations. The apprentices will typically support Digital Engineers or other functional specialists in completing complex tasks using digital engineering techniques, specifically:</p> <ul style="list-style-type: none"> - virtualisation and simulation of design, construction and management of assets - digital measurement of design, production and management of assets - communication of complex engineering principles to stakeholders digitally - integration of construction data and information throughout the whole life cycle of the asset - adherence to the standards and regulation of digital information.

Choose a Trusted Provider



We are a top provider in London with consistently high success rates



We are the largest college group providers of apprenticeships in west London



We work with major companies including British Airways, Brunel University London & Menzies etc.



Most of our apprentices secure employment at the end of their apprenticeship

Discounted travel with an Apprentice Oyster card

Discounts on shopping with an NUS Apprentice Extra Card

Employers involved in creating this standard:

Laing O'Rourke, Crown House Technologies, Expanded, Carillion, Balfour Beatty, BAM Nuttall, Skanska, Costain, Seddon, Lovell Homes, Institution of Civil Engineers, Institute of Engineering and Technology, Chartered Institute of Building Services Engineer, Chartered Institute of Building, Royal Institution of Chartered Surveyors, Imtech, Chartered institute of architectural technologists, BRE

☎ 01895 853622/ 0208 909 6328
✉ apprenticeships@hruc.ac.uk
🌐 www.hruc.ac.uk/apprenticeships
🐦 @HRUCskills



Apprenticeships & Skills
Harrow, Richmond & Uxbridge Colleges

Progression and Professional Registration/Membership

Progression from the Level 3 Apprenticeship could lead to Construction Design Manager, Construction Quantity Surveyor, Construction Site Manager, and Civil Engineering Site Manager. This standard has been designed to deliver sufficient competence, underpinning knowledge and understanding in the identified job role to allow apprentices to meet the requirements of the Construction Skills Certification Scheme (CSCS) or other industry affiliated schemes.

Qualifications

The following qualifications will be gained:

English and Maths will be required to be demonstrated at Level 2;
BTEC Level 3 Construction and the Built Environment;
NVQ Level 3 Diploma in Built Environment Design.

Link to Professional Registration

This Apprenticeship will include the knowledge, skills and behaviours required to achieve

Technician/Associate status through the following professional institutions. The professional review process is included in the assessment process for this Apprenticeship. The options are:

Associate Construction Manager (ACIOB) - The Chartered Institute of Building
Civil Engineering Technician (EngTech TMICE)- The Institution of Civil Engineers
Technician Surveyor (AssocRICS)- The Royal Institution of Chartered Surveyors
Building Services Engineering Technician (EngTech LCIBSE) - The Chartered Institution of Building Services Engineers
Associate Technician (AIET) – The Institution of Engineering and Technology
Professionally Qualified Architectural Technician (TCIAT) - Chartered Institute of Architectural Technologists

Sample Module Summary

Knowledge	What is required?
Health and Safety	Aware of Health and Safety (H&S) industry regulations and moral, legal and financial implications of poor H&S performance. Know how to identify basic H&S outputs digitally.
Sustainability	Understand the sustainability issues in projects across economic, social, legal and environmental aspects

Frequently Asked Questions

What is new apprenticeship standard?

Apprenticeships in England are changing. Because of government reforms, a new style of apprenticeships has been designed to meet the needs of employers, learners and providers.

How will I be assessed?

You will be assessed continually in knowledge, skills and behaviour areas at work. Towards the end of the apprenticeship, employers and providers will 'sign-off' the apprentice as ready for the end-point assessment.

Signing-off an apprentice indicates the employer and providers believe their knowledge, skills and behaviours are the level required to gain an apprenticeship. This sign-off is called the 'gateway'.

End-point assessment replaces the continuous assessment which leads to qualifications. The assessment organisation and the assessor must be independent of, and separate from the training provided by the provider and employer.

Do I already need to have a job to start an apprenticeship?

You should be working a minimum of 30 hours per week in a job. If you are unemployed, view our vacancies to apply for a job:

www.hruc.ac.uk/apprenticeships

Can I start an apprenticeship after Year 11?

Yes, you can! Young people in England must stay in education or training until they turn 18. If you're looking for a different option after Year 11, an apprenticeship could be the answer for you!

How much does an apprenticeship cost?

There is no cost for you to do an apprenticeship if you are 16 years old or over and you will be paid a wage.

View our vacancies to apply

www.hruc.ac.uk/apprenticeships



Already working? Upskill!

Turn your job into an apprenticeship. Call us on
01895 853622 / 0208 909 6328 to get you started.