

# Apprenticeships

## Level 3 Digital Engineering Technician Standard

Apprenticeship Code: ST0266  
Sector: Construction



### Length of Delivery

Up to 36 months.

### Entry Requirements

The typical entry requirements for this Apprenticeship will be five GCSEs or equivalent, including Maths and English; or a Level 2 Apprenticeship. Employers have their own specific entry requirements.

### About the Role

The occupation covered by this standard is associated with the built environment where an apprentice will perform the role of Digital Engineering Technician.

Digital engineering technicians optimise the performance of built environment projects using digital models and software, sketches and electronic visualisations.

### What Apprentices need to learn

Apprentices need to complete 20% off-the-job training during the on-programme phase of their apprenticeship. Specific rules govern this, and it must take place in the apprentice's contracted hours. Apprentices will typically support digital engineers or other functional specialists in completing complex tasks using digital engineering techniques.

Knowledge, behaviours and skills training will cover:

#### Knowledge:

- Virtualisation and simulation of design, construction and management of assets
- Integration of construction data and information throughout the whole lifecycle of the asset

#### Skills:

- Digital measurement of design, production and management of assets
- Communication of complex engineering principles to stakeholders digitally

#### Behaviours:

- Adherence to the standards and regulations of digital information

Please go to the Institute of Apprenticeships website for further detail on the standard and assessment [www.instituteforapprenticeships.org/apprenticeship-standards/digital-engineering-technician/](http://www.instituteforapprenticeships.org/apprenticeship-standards/digital-engineering-technician/)

## End Point Assessment (EPA): how apprentices achieve their qualification

When the apprentice reaches the end of the On-Programme Assessment stage, they pass through “Gateway” to the End Point Assessment (EPA). The End Point Assessment comprises a range of assessment methods, including a Synoptic project and interview, to build in rigour and ensure that all components of the Standard have been fully tested and met. Guidance will be provided on possible Learning Outcomes and Assessment Criteria.

Before you can book End Point Assessment, Lakes College and the employer will sign off that the apprentice will be ready for EPA by a gateway assessment. In order to pass, the apprentice must have achieved:

Where an apprentice has not already achieved Level 2 English and Maths (GCSE C /4 or above), they must do so before taking the End Point Assessment.

- BTEC Level 3 Construction and the Built Environment;
- NVQ Level 3 Diploma in Built Environment Design

## Progression Opportunities

Level 6 Apprenticeship in Civil Engineering or Quantity Surveying could lead to role progression 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.

## Next Stage

- If you are an employer please contact our Business Accounts Management lead via [team-sales@lwc.ac.uk](mailto:team-sales@lwc.ac.uk), whom will arrange an appointment to support your recruitment needs.
- If you are an applicant please either:  
Go to our website [www.lwc.ac.uk](http://www.lwc.ac.uk) and apply  
or contact our admissions team **01946 839300**  
or email [admissions@lwc.ac.uk](mailto:admissions@lwc.ac.uk)

  
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