

2a. Construction progression profile

T Level in Design, Surveying and Planning for Construction

The Progression Profile

This T Level has three occupational specialisms: Surveying and design for construction and the built environment, Civil engineering, and Building services design.

For these occupational specialisms, there are progression pathways into apprenticeships, education and work.

The T Level is based on an occupational standard. The occupational standard will have an apprenticeship option, which is referred to in the profile as the 'relevant occupation'.

For some apprenticeships, in particular the relevant occupation, a learner may have covered the content to a high level. They will not need to complete the apprenticeship in this step, this is noted as 'not applicable'. An apprenticeship may also be shortened due to recognised prior learning (RPL), this is noted as accelerated. Links to the mapping have been included which detail the areas in need of further development before full competence is reached in that occupation.

For work, whilst some roles may be accessed after completing the T Level, others are available after further training and gaining more experience.

Please see below, the progression options for the occupational specialism:

1. Surveying and design for construction and the built environment

For apprenticeships and technical qualifications at level 3, there is the relevant occupation [Surveying Technician \(accelerated\)](#), [Digital Engineering Technician \(accelerated\)](#) and [Geospatial Survey Technician \(accelerated\)](#).

At Apprenticeships at Level 4, there is the [Construction Site Engineer Technician](#), [Construction Site Supervisor](#), [Construction Quantity Surveying Technician](#) and [Construction Site Supervisor](#).

At HTQ's at Level 4, there is the [construction design and build technician](#), [construction site supervisor](#) and [construction quantity surveying technician](#)

At Level 6 there is the [Chartered Surveyor \(degree\)](#), [Geospatial Mapping and Science \(degree\)](#), [Civil Engineering Site Management \(degree\)](#), [Design and Construction Management \(degree\)](#), [Architectural Assistant \(degree\)](#), and [Building Control Surveyor \(integrated degree\)](#).

At Level 7 there is the [Chartered Town Planner \(degree\)](#) and [Architect \(degree\)](#).

For **education**, degree options may include building control surveyor, construction quantity surveyor, construction engineering management, construction management, building surveying and architecture.

For **work**, career progression could include surveying technician, building surveying technician, property surveying technician, land surveying technician, environmental surveyor, valuation surveying technician, geospatial survey technician, digital engineering technician, computer aided design and building information management, consultant quantity surveying technician, consultant project management technician, drafters person, contract manager and assistant quantity surveyor.

2. Civil engineering

For apprenticeships and technical qualifications at level 3, there is the relevant occupation [Civil Engineering Technician \(accelerated\)](#), the aligned standard [Railway Engineering Design Technician \(accelerated\)](#) and [Transport Planning Technician](#).

At Apprenticeships level 4 there is [Information Manager](#), [Civil Engineering Senior Technician](#), [Construction Surveying Technician](#) and [Construction Site Supervisor](#).

At HTQ's at Level 4, there is the [construction design and build technician](#), [construction site supervisor](#) and [construction quantity surveying technician](#)

At level 6 there is the [Civil Engineering Site Management \(degree\)](#), [Civil Engineer \(degree\)](#), [Transport Planner \(integrated degree\)](#) and [Design and Construction Management \(degree\)](#).

For **education**, degree options may include civil engineering, construction engineering management and construction management.

For **work**, career progression could include civil engineering technician, civil infrastructure technician, assistant designer, assistant technician, design and building information management, design technician, junior technician, rail design technician, construction technician, civil/structural technician,

engineering technician, design technician, highways technician, site engineer, site manager, contracts manager, civil engineer, project engineer, assistant quantity, surveyor, surveying technician and transport planning.

3. Building Services Design

For apprenticeships and technical qualifications at level 3, there is the relevant occupation [Building Services Engineering Technician \(accelerated\)](#).

At Apprenticeships level 4 there is the [Building Services Engineering Senior Technician](#), [Construction Quantity Surveying Technician](#), [Construction Design and Build Technician](#), [Information Manager](#) and [Construction Site Supervisor](#).

At HTQ's at Level 4, there is the [construction design and build technician](#), [construction site supervisor](#) and [construction quantity surveying technician](#)

At level 6 there is [Building Services Design Engineer \(degree\)](#), [Building Services Engineering Site Management \(degree\)](#), and [Design and Construction Management \(degree\)](#).

For **education**, degree options may include construction engineering management, construction management, building services engineering, and mechanical/electrical engineering.

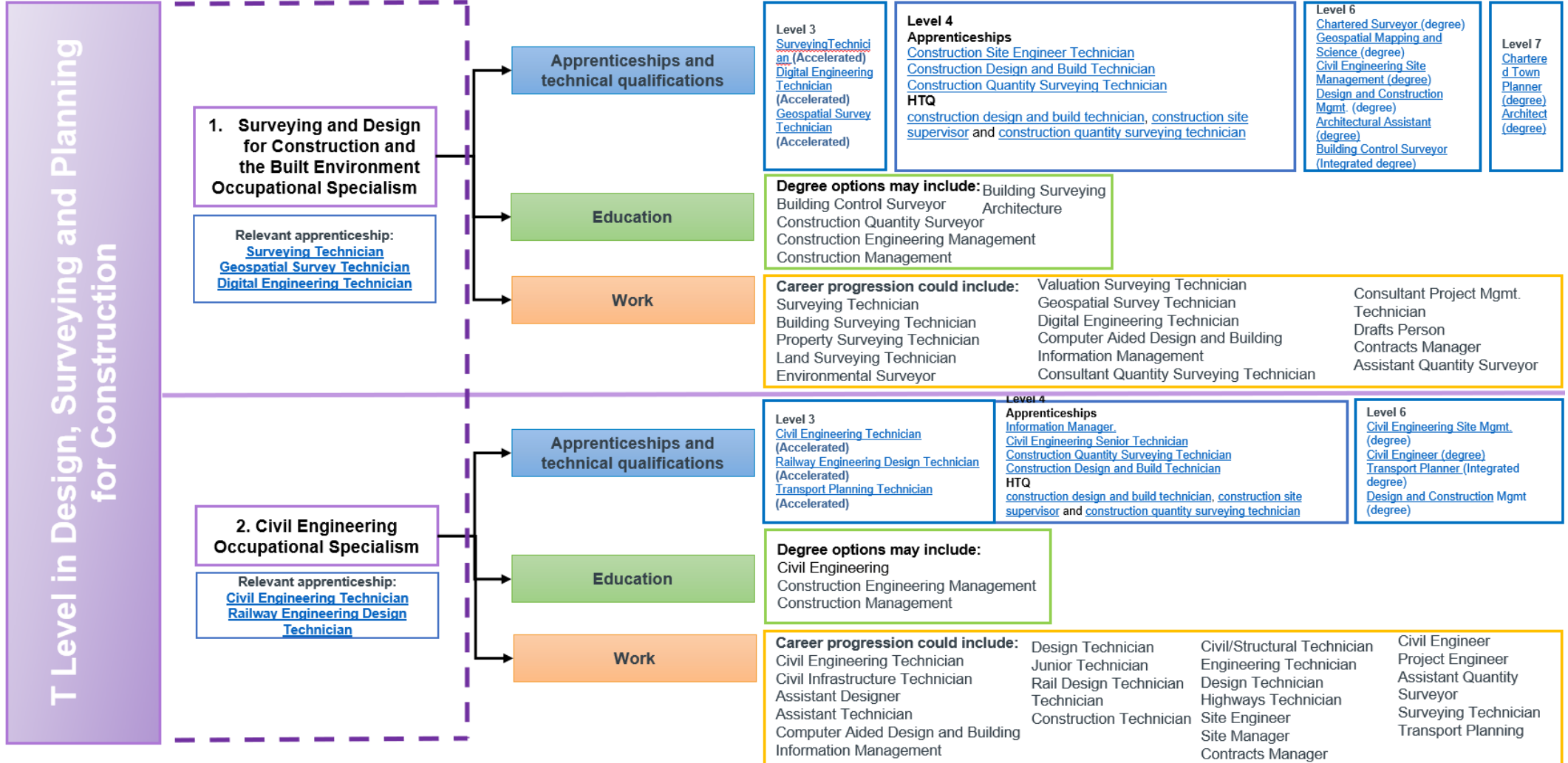
For **work**, career progression could include building services site technician, assistant project engineer, assistant engineer, assistant project manager, site engineer, site manager, contracts manager, project manager, computer aided design and building information management, assistant cost engineer, assistant cost analyst, assistant design coordinator, build/design coordinator, and design manager.

(Accelerated) = May be shortened due to recognised prior learning (RPL)

Not applicable = The learner has covered the content to a high level and may bypass the apprenticeship in this step

In development = standard is being developed.

Under revision = standard is being revised.



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