

2c. T Level in Building Services Engineering for Construction

The Progression Profile

The T Level in Building Services Engineering for Construction has 7 occupational specialisms: electrical and electronic equipment engineering, electrotechnical engineering, refrigeration engineering and air conditioning engineering, gas engineering, plumbing and heating engineering, protection systems engineering, and heating and ventilation engineering.

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 apprenticeship'.

For some apprenticeships, in particular the relevant apprenticeship, 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. Electrical and electronic equipment engineering specialism

For **apprenticeships** at Level 3, there is the relevant apprenticeship [Electrical, Electronic Product Service and Installation Engineer \(accelerated\)](#).

At Level 4, there is [Building Services Engineering Technician](#) and [Building Energy Management Systems \(BEMS\) Control Engineer](#).

At Level 6, there is the [Building Services Engineering Site Management](#).

For **education**, degree options may include building services engineering and facilities management.

For **work**, career progression could include installer, service engineer, services technician, site supervisors, retrofit assessors and facilities management.

2. Electrotechnical engineering specialism

For **apprenticeships** at Level 3, there is the relevant apprenticeship [Installation and Maintenance Electrician \(accelerated\)](#) and [Domestic Electrician \(accelerated\)](#).

At Level 4, there is [Building Services Engineering Technician](#) and [Building Energy Management Systems \(BEMS\) Control Engineer](#).

At Level 6, there is the [Building Services Engineering Site Management](#).

For **education**, degree options may include building services engineering and facilities management.

For **work**, career progression could include installation electrician, maintenance electrician, retrofit assessors, site supervisors, electrical wholesalers and facilities management.

3. Refrigeration engineering and air conditioning engineering specialism

For **apprenticeships** at Level 3, there is the relevant apprenticeship [Refrigeration, Air Conditioning and Heat Pump Engineering Technician \(accelerated\)](#).

At Level 4, there is [Building Services Engineering Technician](#) and [Building Energy Management Systems \(BEMS\) Control Engineer](#).

At Level 6, there is the [Building Services Engineering Site Management](#).

For **education**, degree options may include building services engineering and facilities management.

For **work**, career progression could include refrigeration technician/engineer, air conditioning technician/engineer, retrofit assessors, heat pump technician/engineer, site supervisors and facilities management.

4. Gas engineering specialism

For **apprenticeships** at Level 3, there is the relevant [apprenticeship Gas Engineering Operative \(accelerated\)](#).

At Level 4, there is [Building Services Engineering Technician](#) and [Building Energy Management Systems \(BEMS\) Control Engineer](#).

At Level 6, there is the [Building Services Engineering Site Management](#).

For **education**, degree options may include building services engineering, gas engineering and facilities management.

For **work**, career progression could include gas engineer, site supervisors and facilities management.

5. Plumbing and heating engineering specialism

For **apprenticeships** at Level 3, there is the relevant apprenticeship [Plumbing and Domestic Heating Technician \(accelerated\)](#). At Level 4, there is [Building Services Engineering Technician](#) and [Building Energy Management Systems \(BEMS\) Control Engineer](#). At Level 6, there is the [Building Services Engineering Site Management](#).

For **education**, degree options may include building services engineering and facilities management.

For **work**, career progression could include plumbers mate, plumber, domestic heating engineer/installer, retrofit assessors, site supervisors, facilities management and water hygiene technician.

6. Protection systems engineering specialism

For **apprenticeships** at Level 3, there is the relevant apprenticeship [Fire, Emergency and Security Systems Technician \(accelerated\)](#).

At Level 4, there is [Building Services Engineering Technician](#) and [Building Energy Management Systems \(BEMS\) Control Engineer](#).

At Level 6, there is the [Building Services Engineering Site Management](#).

For **education**, degree options may include building services engineering and facilities management.

For **work**, career progression could include alarm/fire/emergency/security systems installer, maintainer, engineer and technician, retrofit assessors, site supervisors and facilities management.

7. Heating and ventilation engineering specialism

For **apprenticeships** at Level 3, there is the relevant apprenticeship [Building Services Engineering Ventilation Hygiene Technician \(accelerated\)](#).

At Level 4, there is [Building Services Engineering Technician](#) and [Building Energy Management Systems \(BEMS\) Control Engineer](#).

At Level 6, there is the [Building Services Engineering Site Management](#).

For **education**, degree options may include building services engineering and facilities management.

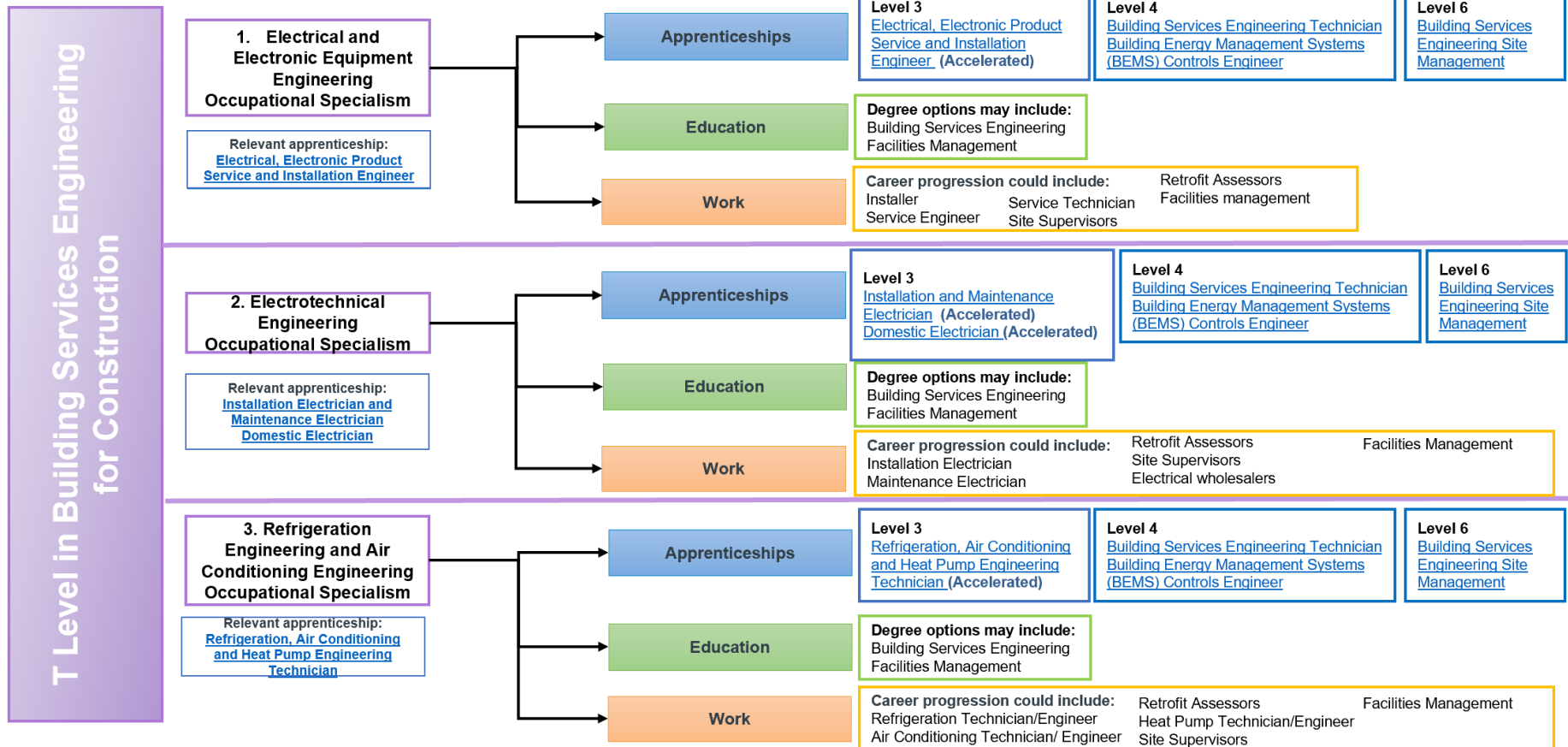
For **work**, career progression could include building services engineering, ventilation hygiene technician, retrofit assessors, site supervisors and facilities management.

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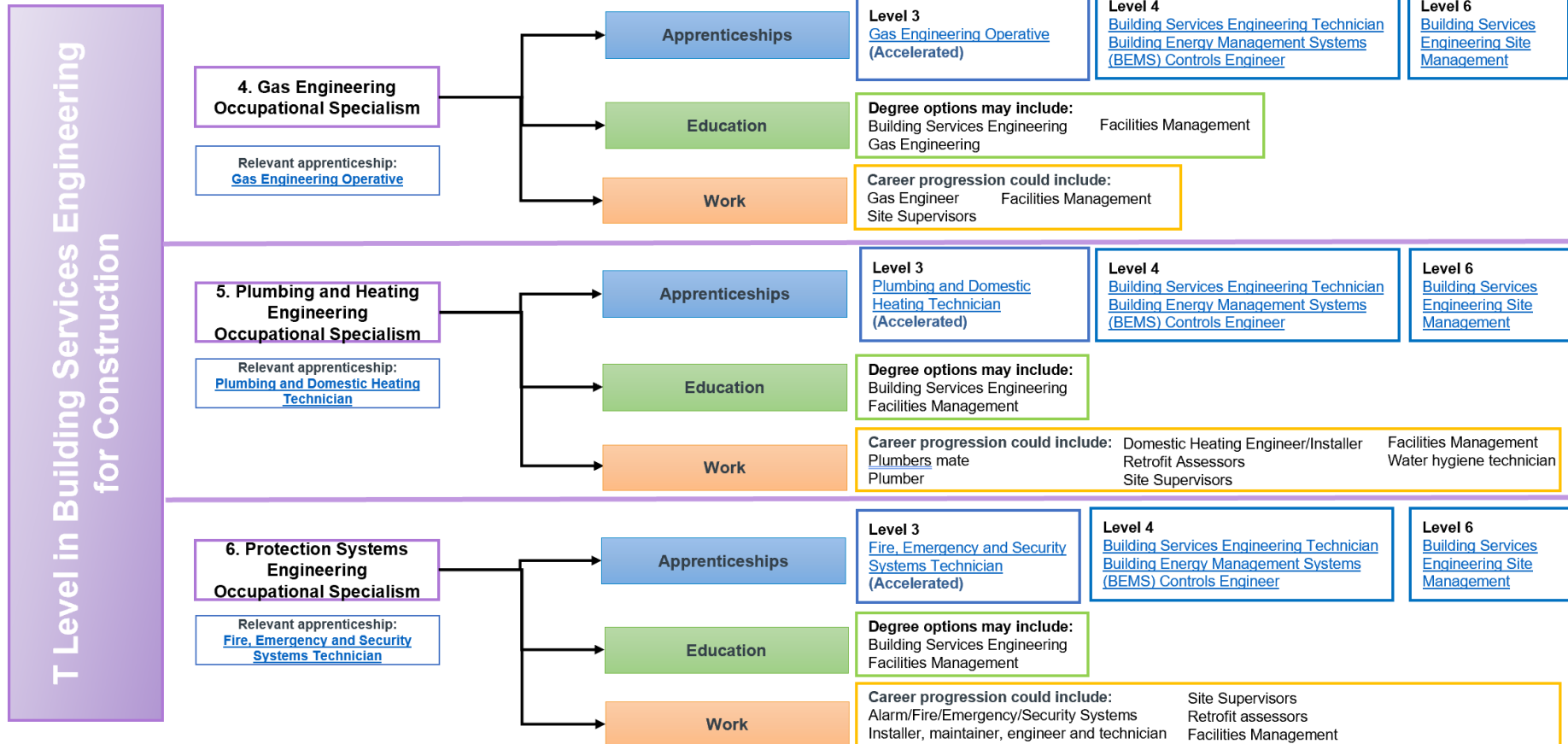


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