

AREAS FOR FURTHER DEVELOPMENT

T LEVEL: BUILDING SERVICES ENGINEERING FOR CONSTRUCTION

T Level learners will have covered a broad spectrum of knowledge and understanding of the concepts, theories and principles relevant to the T level in the core content. They will then specialise and cover the knowledge and skills required in that occupational specialism, putting this into practise during the industry placement. There may be some areas a learner will need to further develop in a workplace environment following a T Level to reach full competence, such as behaviours. Following engagement with employers, industry experts and providers, we have captured below what these areas for development may be following a T Level for each specialism and standard. This will depend on the learner and an initial assessment. The RPL guidance gives further details.

Occupational Specialism: Plumbing Engineering and Heating Engineering Standard: Plumbing and Domestic Heating Technician

Aspects for further development

Knowledge

K3: Electrical components and control systems

Understand installation and testing techniques for electrical components on plumbing and domestic heating systems

K5: Principles of environmental technology systems

Installation and legislation.

K9: All four options:

1. Fossil Fuel – Natural Gas
2. Fossil Fuel – Oil
3. Fossil Fuel – Solid Fuel

Environmental Technologies

Skills

S2: Core plumbing system techniques

- Complex fault diagnosis and rectification procedures for cold and hot water, central heating, rainwater and sanitary and pipework systems.
- Maintenance of the cold and hot water, central heating, sanitary and pipework systems.
- Commissioning complex cold and hot water and central heating systems.
- Size and select systems and components for dwellings.
- perform a soundness test and commission for cold and hot water systems.

S3: Apply installation and testing techniques for electrical components on plumbing and domestic heating systems

S4:

- Oversee and organise the work environment.
- Take responsibility of safety and welfare of others.
- Manage resources in an environmentally friendly manner.

S5: All four options:

1. Fossil Fuel – Natural Gas
2. Fossil Fuel – Oil
3. Fossil Fuel – Solid Fuel

Environmental Technologies

Additional learning

Further Practical Application of knowledge and skills to reach full occupational competence. They will need further support to apply their knowledge and skills, particularly in non-routine situations to develop their:

- Quality of skill
- Pace

- Adaptability
- Independence and focus
- Appropriate workplace behaviours

Register as EngTech by the Engineering Council through The Chartered Institute of Plumbing and Heating Engineering (CIPHE) and or The Chartered Institute of Building Services Engineers (CIBSE).