

WELCOME TO PLUMBING AT KIRKLEES COLLEGE

T LEVEL – BUILDING SERVICES ENGINEERING FOR CONSTRUCTION

- Occupational Specialism: Plumbing and Heating Engineering

COURSE OVERVIEW

This exciting new T Level qualification has been co-designed with leading employers to help prepare young people with the knowledge, skills, and behaviours needed to work in the building services industry.

TOPICS COVERED

- The construction industry and its role in the economy
- Health and safety
- Making accurate and appropriate measurements
- Construction methods, building regulations and standards
- Data management and information standards in construction
- Relationship management and customer service
- Construction design principles and processes
- Sustainability and the environmental impact of construction
- Business, commerce and corporate social responsibility
- Engineering processes and procedures for plumbing and heating systems
- Design and planning of plumbing and heating systems and their components
- Emerging green technologies in the plumbing and heating industry
- Practical application of how to install, commission, and maintain heating systems, ensuring the equipment has been set up correctly and is working at maximum efficiency

ASSESSMENT

T Levels are exam-based. In the first year, students will sit two core knowledge exam papers in June. They will also complete an employer-set project, which contains controlled assessments.

In the second year, students complete an occupational specialism assessment, demonstrating application of the relevant knowledge, skills and behaviours for the occupation.

INDUSTRY PLACEMENT

To achieve the T Level qualification students are required to undertake an industry placement for a minimum of 315 hours.

Placement is planned to start in the first term of the second year of studies, it will be taken in a set block of weeks to give students the chance to get real experience in the heating and plumbing industry.

Industry placements are a mandatory aspect of the T Level where students are required to work towards achieving set learning goals for their T Level certificate to be awarded.

[Click here to see an example of the industry placement objective, typical activities, and learning goals to be achieved by a student.](#)



SUPPORT

A dedicated Work Experience Coach will:

- Support employers to match with the right student and help plan the industry placement. They provide ongoing support for the duration of the placement and monitor the student's progress towards their learning goals
- Support students to prepare for their placement and develop the skills and behaviours needed to successfully complete



FINANCIAL SUPPORT

- Employers may be able to access funding to overcome barriers to providing an industry placement
- Students can access help for travel and some other costs associated with attending their placement

Additional support is available to enable learners with specialist educational needs and disabilities to access and successfully complete a quality industry placement.



CAREER PROGRESSION

After completing students can progress on to a higher apprenticeship, HNC/HND or to university, as a number of major UK universities accept T Levels. T Levels students can progress to employment in the following roles:

- Plumber
- Heating Engineer
- Site Supervisor

