



Guided Learning

**91 hrs**

Independent learning hours

0 hrs



Total Learners

**46**

**Learner breakdown**

Year 1: **20**

Year 2: **26**

**Employer contribution**

Full Price - £7,404.53

SME - N/A

Corporate - N/A

**Size of cohort**

3 minimum

4 maximum

**Model(s) of delivery**

Remote/classroom/blended

**Certification**

- N/A

**Category and Subcategory**

- Category 2 - Engineering & Manufacturing
- Lot - Engineering & Manufacturing (General)
- Core Subject – Maintenance, Installation & Repair

# High Level Summary

## Week 1 – Induction

**Week 1, 2 & 3 – Assistant Welding – Aluminothermic Welding Training (RT1 – RT3) to give learners the knowledge, understanding and skills to be able to conduct RT1-RT3 duties on the rail infrastructure under supervision of a fully trained Rail Welder.**

**Sessions consist of:**

- Health & Safety when welding
- Personal Protective Equipment (PPE)
- Pre-welding checks
- Rail grades, profiles and wear
- Thermit welding
- Grinding & blending
- Reporting of work

## Knowledge

- Dimensional/mechanical properties of welding materials
- Welding metallurgy/joint types/controls
- Procedure specification requirements
- Causes/detection of defects
- Types/functions of welding consumables
- Requirements for storage/handling/segregation of materials/tools
- Continuous improvement processes
- Welding risks/mitigation
- Health, safety and environmental regulations

## Skills

- Comply with legislation/regulations/organisational requirements
- Plan/prepare welding activities
- Obtain, position and assemble equipment/safety protection
- Inspect assembly/undertake remedial work
- Set, test and monitor key parameters
- Complete progressive and final checks
- Restore the work area on completion
- Produce welds in plate and/or structural components
- Produce plate welds in main joint configurations

## Behaviours

- Inclusion – treat all equally
- H&S conscious
- Respect for others
- Take responsibility for decision-making
- Challenge poor practices
- Continuous improvement

## How to Apply

Telephone: 01302 815 530 Opt. 2

Email: [bootcamps@intertrain.biz](mailto:bootcamps@intertrain.biz)

For more information about these Skills Bootcamps, visit our website:  
[railway-training-courses.com/dfc-skills-bootcamp](http://railway-training-courses.com/dfc-skills-bootcamp)

