

Rail Welding School - short course

Nominal Hours: 80

Course Description

This is a general course for a person to be employed as a rail welder. It includes:

- determining job requirements, planning and preparing for the required tasks,
- setting up and testing equipment,
- heating and cutting materials, carrying out the welding process and checking weld conformance,
- grinding weld and/or weld repair,
- shutting down equipment and completing clean-up activities,
- and completing required documentation.

No licensing, legislative or certification requirements apply to this course at the time of publication.



Units of competency in this course

If a participant completes all requirements of the course, they will receive a nationally recognised Statement of Attainment for the following units:

TLIW0006 Heat and cut materials using oxy-LPG equipment for the rail industry

TLIW3015 Weld rail using aluminothermic welding process

TLIW0004 Grind rails



Cost

Please contact our office for current pricing.



Duration

Classroom training for this course is conducted over 4 days from 8.00 am - 4.00 pm.

Following the training, participants must gain experience on-the-job, which is recorded in Logbooks, before returning for a one-day practical assessment.



Do you need to bring Personal Protective Equipment?

Yes. Participants will need to provide: ankle-high steel cap boots, long-sleeved hi-vis shirt or vest with an X on the back and H/goal-posts on the front, long pants, a hard hat, safety glasses and gloves.



Will I need to undertake work placement?

Yes. This course requires practical experience on-the-job. Participants will use a weld logbook that will gather your experience on the job. You will be required to have your supervisor sign off on the weld logbook as you complete each weld.



What are the Entry Requirements?

Participants must:

- already hold the following units of competency, or an equivalent unit, prior to enrolling:

TLIF0020 Safely access the rail corridor

TLIB0012 Maintain and use hand tools

TLID0020 Shift materials safely using manual handling methods

TLIE1003 Participate in basic workplace communication

TLIF0025 Follow work health and safety procedures

TLIF2010 Apply fatigue management strategies

TLIB2085 Apply track fundamentals

TLIU2008 Apply environmental procedures to rail infrastructure

TLIB2092 Operate minor mechanical equipment

TLIS2044 Carry out rail installation

TLIS2034 Install and repair rail fastening systems

- have an experienced and qualified workplace supervisor who can mentor the participant through the on-the-job Logbooks and work experience.

What Next?

Before training:

1. Participants need a **Unique Student Identifier (USI) Number** to study within Australia. A USI gives people access to an online record of training completed since January 2015. Participants who do not currently have a USI must obtain one before attending training at Go Train Industry. **Please visit www.usi.gov.au to obtain a USI.** Participants need to provide Go Train with their USI number as we cannot issue a certificate until the USI is verified.
2. To secure a spot in the course participants need to enrol and pay for the course prior to commencement of training.
3. Participants should refer to our website if they think they may be eligible to apply for RPL or Credit Transfer.
4. If a participant is unable to attend, they must contact Go Train as soon as possible. If less than 48 hours' notice of cancellation is provided, Go Train are unable to refund any fees paid.

Language, Literacy and Numeracy

If a participant is deemed, prior to enrolment or throughout the training, to possess a lower level of language, literacy or numeracy than the minimum required for this course, Go-Train Industry Pty Ltd will provide advice and support regarding further learning options.

At times, further language or literacy development or remedial assistance may be required prior to the continuation or completion of the student's course of study. The cost of this further LLN development or remedial assistance must be covered by the participant or employer.



On the day of training:

1. Bring Photo ID - Preferably a driver's licence showing full name, date of birth and address.
2. **Participants must wear covered in shoes.** Please note that we have a **NO THONGS** policy and individuals will be sent home unless the correct footwear is worn.
3. Course fees must already be paid in full before attending each stage.

At the course

1. When participants attend training, they will be asked to sign a Training Attendance Sheet. Signing the attendance sheet is an acknowledgement that they have read and understood this Pre-Training Information prior to attending the course.
2. This course will be delivered in a classroom and non-live rail environment by a qualified and experienced Rail Trainer.
3. All learning materials will be provided to participants.
4. Theory assessments will be conducted for each of the units throughout the course.
5. Workplace experience and mentoring on-the-job must be gained after the formal theory and practical training of this course.



After classroom training:

1. Participants are required to gain work experience under the guidance of a suitably qualified workplace supervisor/mentor.
2. Participants will be issued with a weld logbook to record their experience as they work. The weld logbook gathers your work experience. You will be required to complete up to 40 welds prior to final assessment.
3. Participants should perform all relevant tasks and procedures as often as possible across the full range of relevant conditions - for example, during daylight and at night, in different weather conditions, in different geographical locations and terrain, with different equipment.
4. Once this logbook is completed participants can undertake final assessment for the course.
5. If the assessor feels the participant needs further experience, participants will need to gather this additional evidence before being able to undertake any further assessments.



After Assessment:

1. **Statement of Attainment** - On successful completion of each stage, participants will receive a nationally recognised Statement of Attainment showing units completed.
2. **Rail Industry Work (RIW) Card** - Participants need to update their Rail Industry Work (RIW) Card after the training. Updating the RIW is the participant's responsibility. Please refer to the <https://www.riw.net.au/> website for further information.

Locations

Please contact our office on 1300 698 158 to confirm delivery dates and to enrol.

Participants are responsible for any travel to practical locations, their meals and lodgings throughout the course.

Newcastle NSW

Suite 6,
26 Balook Drive.
Beresfield NSW 2322

Salisbury Qld.

Building 9B,
87 Fairlie Tce.
Salisbury QLD 4107

Participant's workplace

We can come to you.
Contact us for group bookings.

Fine Print

Please refer to our Student Handbook located on our website:

www.gotrain.com.au

for further information regarding participant rights and obligations as a student of Go-Train Industry Pty Ltd.

To ensure a participant leaves with the most up to date qualification

If during or after enrolment, the course in which participants are enrolled is updated in line with national industry standards, Go Train reserve the right to transition participants into an alternate course. If this becomes necessary, we will advise participants of the change and the arrangements which will be available to complete the alternate course.



What can participants do once they complete this course?

Participants can complete:

TLI37122 Certificate III in Rail Infrastructure

Training Plan

Day	Unit	Description	Assessments
1	TLIW0006 Heat and cut materials using oxy-LPG equipment for the rail industry	<p>This unit involves the skills and knowledge required to heat and cut materials for the rail industry using oxy-LPG equipment.</p> <p>It includes planning and preparing for work, setting up and testing the equipment, heating and cutting materials, shutting down equipment and completing clean-up activities.</p> <p>People achieving competence in this unit will need to fulfil applicable state/territory legislated work health and safety (WHS)/occupational health and safety (OHS) requirements and rail safety requirements, and to comply with relevant codes of practice and/or guidelines.</p> <p>Work involves heating and cutting steel and includes cutting up waste for salvage; cutting steel, rails and bolts; and cutting holes in plate (with the exception of structural steel members). Heating activities include steel and bolts (excluding structural steel members).</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>	Theory Assessment
2 & 3	TLIW3015 Weld rail using aluminothermic welding process	<p>This unit involves the skills and knowledge required to weld rail using the aluminothermic welding process in accordance with safeworking and regulatory requirements, and workplace procedures.</p> <p>It includes preparing and planning the welding method, preparing the rail for aluminothermic welding, carrying out the welding process, checking weld conformance and completing required documentation.</p>	Theory Assessment

People achieving competence in this unit will need to fulfil the applicable state/territory legislated rail safety and to comply with relevant codes of practice and/or guidelines.

Work is performed under some supervision, generally within a team environment. It involves the application of routine operational principles and procedures when welding rail using the aluminothermic welding technique, as part of workplace activities across a variety of operational contexts within the Australian rail system.

Operators of mechanised equipment must have undertaken training and, where appropriate, hold the relevant licence, permit or certificate and be recognised as competent for the class of machinery being used.

4 TLIW0004
Grind rails

This unit involves the skills and knowledge required to grind rail and welds in accordance with rail network standards, safeworking and regulatory requirements, and workplace procedures.

Theory Assessment

It includes determining job requirements, grinding weld and/or weld repair, grinding rail to repair surface defects, and completing all required documentation. This unit relates to the grinding of new welds and weld repairs, wheel burns, rail batter and overflow in plain track.

People achieving competence in this unit will need to fulfil the applicable state/territory legislated rail safety requirements and to comply with relevant codes of practice and/or guidelines.

Work is performed under some supervision, generally within a team environment. It involves the application of routine operational principles and procedures when grinding rail and

welds, as part of workplace activities across a variety of operational contexts within the Australian rail system.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

5	TLIW0006 Heat and cut materials using oxy-LPG equipment for the rail industry TLIW3015 Weld rail using aluminothermic welding process TLIW0004 Grind rails	Presentation of Logbook and Final Assessments
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To enrol please contact our office on 1300 698 158