

TLI37122 Certificate III in Rail Infrastructure – Fee for Service

Nominal Hours: 315 - 375
Depending on chosen electives

Course Description

This is a general qualification for a person engaged in the rail infrastructure environment who performs tasks involving a broad range of skilled applications in a wide variety of contexts.

It may involve application of some discretion and judgement in selecting equipment, services or contingency measures. It may also include responsibility for coordinating the work of others.

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



Core Units of Competency

This course contains 4 core units of competency that all participants need to complete, they are:

- TLIE2007 Use communications systems
- TLIE2029 Conduct workplace information briefings
- TLIF3003 Implement and monitor work health and safety procedures
- TLIJ0003 Apply quality systems

Specialist Electives

Participants must choose a specialist elective group from the following options:

**Group A: Track Maintenance & Construction, or
Group C: Track Welding**

Group A: Track Maintenance & Construction

- RIICCM201E Carry out measurements and calculations
- RIICCM203E Read and interpret plans and job specifications
- TLIB3094 Check and repair track geometry
- TLIS3026 Implement track maintenance and construction

Group C: Track Welding

- RIICCM201E Carry out measurements and calculations
- RIICCM203E Read and interpret plans and job specifications
- TLIW0004 Grind rails
- TLIW0006 Heat and cut materials using oxy-LPG equipment for the rail industry
- TLIW3015 Weld rail using aluminothermic welding process

General Electives

Group A participants must select 3 additional units, and Group C must select 2 additional units from the following:

- TLIB2091 Measure and record track geometry
- TLIB2097 Install and maintain guard rails
- TLIB3099 Examine track infrastructure
- TLIB3102 Adjust rails
- TLIC3045 Operate road/rail vehicle
- TLIE0002 Process workplace documentation
- TLIF2006 Apply accident-emergency procedures
- TLIF3058 Apply safeworking rules and regulations to rail functions
- TLIG0003 Work effectively with others in a team
- TLIS3026 Implement track maintenance and construction



Cost

Please contact us for costings.



Duration

This course will take participants 315 - 375 hours to complete, including on the job experience.



Will I need to undertake work placement?

Yes. This qualification requires practical experience on a worksite. Participants will use a logbook to complete the necessary experience against each unit of competency. As participants progress the logbook must be signed by a workplace mentor before returning to Go Train Industry for further assessment.



Do you need to bring Personal Protective Equipment?

Yes. You 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 and long pants. For practical days: a hard hat, safety glasses and gloves, sunscreen and insect repellent.



What will you get when you complete?

For any units that you successfully complete during the course you will receive a nationally recognised Statement of Attainment from the Transport & Logistics Industry Training Package.

If you complete all the units, you will receive a Certificate III in Rail Infrastructure – TLI37122 that is recognised nationwide.

Language, Literacy and Numeracy

Where a student is deemed, either prior to enrolment or throughout the training program, to possess a lower level of language, literacy or numeracy than is the minimum requirement for the requirements of the course, Go-Train Industry Pty Ltd will provide appropriate advice and support to the student regarding further learning options.

At times, further language or literacy development or remedial assistance may be required to be completed prior to the continuation or completion of the student's course of study.

The cost of this further LLN development or remedial assistance would need to be covered by the student.



What are the Entry Requirements?

Participants must:

- complete an expression of interest form prior to enrolment.
- already hold the following certifications prior to enrolling:
 - TLI27121 Certificate II in Rail Infrastructure or an equivalent qualification or relevant work experience
 - Category One Medical
- have suitable employment to facilitate completion of the work experience component.
- have an experienced workplace supervisor who can mentor the participant through the work experience and Logbook requirements.

What Next?

Before training:

- 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.

- To secure a spot in the course participants need to enrol and pay for the course prior to commencement of training. Please contact Go Train to discuss payment options.
- Participants should refer to website if they think they may be eligible to apply for RPL or Credit Transfer.
- 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.



On the day of training:

- Bring Photo ID - Preferably a driver's licence showing full name, date of birth and address.
- **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.
- Course fees must already be paid in full before attending each stage.

At the course

- 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.
- This course will initially be delivered in a classroom environment by a qualified and experienced Rail Trainer.
- All learning materials will be provided to participants.
- Participants are required to complete theory and practical assessments throughout the course.
- Workplace training and assessment will be conducted on-the-job after the formal components of this course.



After classroom training:

- Participants are required to gain work experience under the guidance of a workplace supervisor/mentor.
- Participants will be issued with a Logbook to record work experience as they work in the industry.
- Workplace mentors must sign off tasks as the participant demonstrates the ability to complete tasks independently. Participants should perform all relevant tasks 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.

- Once participants have completed the logbook, they can book in to complete further training and assessment. To do this please contact our office on 1300 698 158.
- If the participant's logbook is satisfactory, they will undertake the assessments. The practical assessments may take place in a simulated environment or,
- 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:

- **Statement of Attainment** - On successful completion of each course, participants will receive a nationally recognised Statement of Attainment showing units completed.
- On successful completion of all required units, participants are eligible to receive a Certificate II in Rail Infrastructure.
- **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 and their employer'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.

Students 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

Kensington Vic.

105 Bakehouse Rd.
Kensington VIC 3031

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 on completion of this course?

Students can pursue employment in a role as per the Rail Industry's National Track and Civil Roles Matrix.

For more information, please contact us on 1300 698 158.

Training Plan

Please note: This training plan is an example of how students might like to complete the course. The final training plan for this qualification will be tailored to the student’s chosen electives on enrolment.

Core Units

Unit	Description	Assessments
TLIE2007 Use communications systems	This unit involves the skills and knowledge required to use communications systems in accordance with relevant regulations and workplace procedures. It includes identifying system features, operating a communications system effectively, using appropriate communications system protocols, maintaining equipment and completing documentation. It involves applying established communication principles and practices, and using local technical, colloquial language and vocabulary in day-to-day communication. Work is performed under some supervision, generally within a team environment.	Written and Practical Assessment
TLIE2029 Conduct workplace information briefings	This unit involves the skills and knowledge required to conduct workplace information briefings in accordance with organisational requirements. It includes preparing and delivering workplace briefings, and completing routine workplace documents as part of routine work. Work is performed under some supervision generally in a team environment. This unit applies to formal types of briefings such as pre-work briefs, pre-start briefs, toolbox talks, worksite protection briefs and safe work method statement (SWMS) safety briefings.	Written and Practical Assessment

<p>TLIF3003</p> <p>Implement and monitor work health and safety procedures</p>	<p>This unit involves the skills and knowledge required to implement and monitor work health and safety (WHS)/occupational health and safety (OHS) procedures in compliance with relevant WHS/OHS regulations.</p> <p>It includes accessing information about WHS/OHS workplace policies and procedures, and implementing and monitoring procedures for identifying and assessing hazards and controlling risks. It also includes planning and supervising housekeeping arrangements, and implementing and monitoring procedures for dealing with hazardous events.</p> <p>Work is performed under some supervision generally within a team environment.</p>	<p>Written and Practical Assessment</p>
<p>TLIJ0003</p> <p>Apply quality systems</p>	<p>This unit involves the skills and knowledge required to apply quality systems. It includes working within a quality system; using quality systems, tools and techniques; and contributing to quality system continuous improvement processes.</p> <p>Work is performed under some supervision, generally within a team environment.</p>	<p>Written and Practical Assessment</p>

Specialist Elective Group A: Track maintenance & construction

Unit	Description	Assessments
<p>RIICCM201E</p> <p>Carry out measurements and calculations</p>	<p>This unit describes the skills and knowledge required to carry out measurements and calculations in the resources and infrastructure industries. It includes using measurements and calculations to estimate quantities for various work activities.</p> <p>It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures and take responsibility for the quality of own work outcomes.</p>	<p>Written and Practical Assessment</p>

<p>RIICCM203E</p> <p>Read and interpret plans and job specifications</p>	<p>This unit describes the skills and knowledge required to read and interpret plans and job specifications in civil construction, including recognising amendments and commonly used symbols and abbreviations. It involves locating and identifying key features on site plans and reading and interpreting job plan specifications.</p> <p>It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures and take some responsibility for the quality of work outcomes.</p>	<p>Written and Practical Assessment</p> <p>On-the-job Logbook</p>
<p>TLIB3094</p> <p>Check and repair track geometry</p>	<p>This unit involves the skills and knowledge required to check and repair track geometry, in accordance with safeworking and regulatory requirements, workplace procedures and rail network geometry specifications.</p> <p>It includes determining the job requirements, restoring track geometry, checking track compliance after work and completing required documentation.</p> <p>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.</p> <p>Work is performed under minimal supervision, generally in a team environment. It involves the application of routine operational principles and procedures when checking and repairing track geometry, as part of workplace activities across a variety of operational contexts within the Australian rail system.</p>	<p>Written and Practical Assessment</p> <p>On-the-job Logbook</p>
<p>TLIS3026</p> <p>Implement track maintenance and construction</p>	<p>This unit involves the skills and knowledge required to implement track maintenance and construction activities in accordance with approved standards, safeworking and regulatory requirements, and workplace procedures.</p> <p>It includes planning work, implementing construction or maintenance activities, dealing with maintenance and construction problems, and completing required documentation.</p> <p>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.</p> <p>Work is performed generally in a team environment. It involves the application of routine operational principles and procedures when implementing track maintenance and/or construction, as part of workplace activities across a variety of operational contexts within the Australian rail system.</p>	<p>Written and Practical Assessment</p> <p>On-the-job Logbook</p>

Specialist Elective Group C: Track welding

Unit	Description	Assessments
RIICCM201E Carry out measurements and calculations	<p>This unit describes the skills and knowledge required to carry out measurements and calculations in the resources and infrastructure industries. It includes using measurements and calculations to estimate quantities for various work activities.</p> <p>It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures and take responsibility for the quality of own work outcomes.</p>	Written and Practical Assessment
RIICCM203E Read and interpret plans and job specifications	<p>This unit describes the skills and knowledge required to read and interpret plans and job specifications in civil construction, including recognising amendments and commonly used symbols and abbreviations. It involves locating and identifying key features on site plans and reading and interpreting job plan specifications.</p> <p>It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures and take some responsibility for the quality of work outcomes.</p>	Written and Practical Assessment On-the-job Logbook
TLIW0004 Grind rails	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>	Written and Practical Assessment On-the-job Logbook

<p>TLIW0006</p> <p>Heat and cut materials using oxy-LPG equipment for the rail industry</p>	<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>Written and Practical Assessment</p> <p>On-the-job Logbook</p>
<p>TLIW3015</p> <p>Weld rail using aluminothermic welding process</p>	<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> <p>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.</p> <p>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.</p> <p>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.</p>	<p>Written and Practical Assessment</p> <p>On-the-job Logbook</p>

General Electives (Group A must select 3 Electives and Group C must select 2 Electives from the list below:)

Unit	Description	Assessments
<p>TLIB2091</p> <p>Measure and record track geometry</p>	<p>This unit involves the skills and knowledge required to measure and record track geometry in accordance with safeworking and regulatory requirements, and workplace procedures.</p> <p>It includes measuring and recording track geometry, and reporting results.</p> <p>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.</p> <p>Work is performed under minimal supervision, generally within a team environment. It involves the application of routine operational principles and procedures when measuring and recording track geometry, across a variety of operational contexts within the Australian rail system.</p>	<p>Written and Practical Assessment</p> <p>On-the-job Logbook</p>
<p>TLIB2097</p> <p>Install and maintain rail guards</p>	<p>This unit involves the skills and knowledge required to install and maintain guard rails in accordance with safeworking and regulatory requirements, and workplace procedures.</p> <p>It includes determining job requirements, installing guard rails and completing all required documentation.</p> <p>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.</p> <p>Guard rails include guard rails installed on:</p> <ul style="list-style-type: none"> level crossings and sharp curves to prevent derailment under bridges and near vulnerable structures to limit lateral movement of derailed wagons. <p>Work is performed under minimal supervision, generally within a team environment. It involves the application of routine operational principles and procedures when installing and maintaining guard rails, as part of workplace activities across a variety of operational contexts within the Australian rail system.</p>	<p>Written and Practical Assessment</p> <p>On-the-job Logbook</p>

<p>TLIB3099</p> <p>Examine track infrastructure</p>	<p>This unit involves the skills and knowledge required to examine track and right of way infrastructure in accordance with safeworking and regulatory requirements, and workplace procedures.</p> <p>It includes preparing for examination, examining track and right of way, analysing examination results, and reporting findings.</p> <p>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.</p> <p>Work is performed under minimal supervision, generally within a team environment. It involves the application of routine operational principles and procedures when examining track infrastructure, as part of workplace activities across a variety of operational contexts within the Australian rail system.</p>	<p>Written and Practical Assessment</p> <p>On-the-job Logbook</p>
<p>TLIB3102</p> <p>Adjust rails</p>	<p>This unit involves the skills and knowledge required to adjust rail in accordance with safeworking and regulatory requirements, and workplace procedures.</p> <p>It includes identifying and determining the requirements for rail adjustment, undertaking rail adjustment, and completing all required documentation.</p> <p>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.</p> <p>Work is performed under some supervision, generally within a team environment. It involves the application of routine operational principles and procedures when adjusting rail, as part of workplace activities across a variety of operational contexts within the Australian rail system.</p> <p>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.</p>	<p>Written and Practical Assessment</p> <p>On-the-job Logbook</p>

<p>TLIC3045</p> <p>Operate road/rail vehicle</p>	<p>This unit involves the skills and knowledge required to operate road/rail vehicles on-track in accordance with safeworking and regulatory requirements, and workplace procedures.</p> <p>It includes performing pre-operational and post-operational checks, on-tracking and off-tracking vehicles, operating equipment, and completing required documentation. It encompasses the operation of all road/rail on-track vehicles.</p> <p>It involves the application of routine operational principles and procedures when operating road/rail vehicles as part of workplace activities across a variety of operational contexts.</p> <p>A road vehicle fitted with retractable rail guidance wheels (also known as a hi-rail vehicle) and may also involve:</p> <ul style="list-style-type: none"> • excavators • four-wheel drives • light–medium rigid vehicles • pettibone • tractors • weed sprayer. <p>People achieving competence in this unit will need to fulfil the applicable state/territory legislated rail safety and safeworking requirements and to comply with relevant codes of practice and/or guidelines.</p> <p>Operators of road/rail vehicles may need to have applicable road and/or high-risk licence or certification requirements for the type of vehicle being used.</p>	<p>Written and Practical Assessment</p> <p>On-the-job Logbook</p>
<p>TLIE0002</p> <p>Process workplace documentation</p>	<p>This unit involves the skills and knowledge required to process workplace documentation and gather data in accordance with workplace requirements. Processing documentation/data is carried out as an integral part of work operations in the context of the workplace concerned.</p> <p>It includes planning and completing documentation and data gathering to fulfil an identified purpose, including legislative obligations.</p> <p>Work may be performed in a team or autonomous working situations.</p>	<p>Written and Practical Assessment</p>

<p>TLIF2006</p> <p>Apply accident-emergency procedures</p>	<p>This unit involves the skills and knowledge required to apply accident-emergency procedures in accordance with work health safety (WHS)/occupational health and safety (OHS) codes of practice, regulations and workplace requirements.</p> <p>It includes responding to an incident, controlling and assisting at an accident or emergency site, finalising accident-emergency processes and completing records.</p> <p>Work is performed under limited supervision.</p>	<p>Written and Practical Assessment</p> <p>On-the-job Logbook</p>
<p>TLIF3058</p> <p>Apply safeworking rules and regulations to rail function</p>	<p>This unit involves the skills and knowledge required to apply applicable safeworking rules and regulations to rail functions carried out on rail networks.</p> <p>It includes correctly using communications protocols; interpreting and responding to radio, hand signal and light commands; interpreting and following relevant safeworking rules and protocols; and taking appropriate action in safety incidents, unsafe situations or emergencies.</p> <p>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.</p> <p>Work is performed under established safeworking system rules, protocols and procedures.</p>	<p>Written and Practical Assessment</p> <p>On-the-job Logbook</p>
<p>TLIG0003</p> <p>Work effectively with others in a team</p>	<p>This unit involves the skills and knowledge required to work effectively with others in a team.</p> <p>It includes identifying work roles, contributing to planning activities, working within the team and supporting the team.</p> <p>Work is performed under some supervision within a team environment.</p>	<p>Written and Practical Assessment</p>

TLIS3026

Implement track maintenance and construction

This unit involves the skills and knowledge required to implement track maintenance and construction activities in accordance with approved standards, safeworking and regulatory requirements, and workplace procedures.

It includes planning work, implementing construction or maintenance activities, dealing with maintenance and construction problems, and completing required documentation.

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 generally in a team environment. It involves the application of routine operational principles and procedures when implementing track maintenance and/or construction, as part of workplace activities across a variety of operational contexts within the Australian rail system.

Written and Practical Assessment

On-the-job Logbook

To enrol please contact our office on 1300 698 158