

Certificate IV in Electrical – Rail Signalling (UEE41220)

HRD Integrated Services technical training

Phone 03 9747 2386

Email admin@hrdi.com.au

Web www.hrdi.com.au

Brief info

Course code: C4RS

Course cost

- PoA. Contact HRD for a quote.

Duration (approximate)

- Qualified electricians 2 years
- Apprentices 3½–4 years

Training delivery

- Mixed-mode learning in 5 day blocks, 4–6 weeks apart
- Min 6–max 8 persons per group
- Customised to enterprise demands

Assessment format

- In-class/workplace assignments and learning module theory tests
- Workplace practical assessments

Venue

- Rail Academy–Newport or interstate training venue

What to bring

- Laptop computer, notebook, pens
- Safety vest and boots

Outcome

- Nationally-recognised Qualification or Statement(s) of Attainment issued on demonstration of competence.

Prerequisites

- *Certificate III in Electrotechnology Electrician* (or equivalent) OR unrestricted electrical licence is mandatory.
- Conditions apply to electrical fitters – contact HRD for entry details.
- Intending applicants **must** be employed in rail signalling or with a rail infrastructure organisation to have access to essential workplace equipment and work procedures.

The HRD Certificate IV in Electrical–Rail Signalling course is the industry benchmark for rail signalling training and assessment.

Training

Quality training. Comprehensive training is delivered by technically skilled, qualified and experienced trainers. HRD staff are experts in their field with national and international trade and training experience.

Realistic pace, safety first. HRD training is paced to maximise knowledge and skill development – no cramming or skimming content.

- Installers can exit after completing wiring, testing and repair units that provide the knowledge and skills needed for a rail construction role.
- Maintainers exit with job-ready technical knowledge and skills.

Contextualised content. Learning material is relevant to local standards. HRD can customise learning resources to meet specific business needs.

Assessment

Rigorous assessment. HRD assessment is a genuine measure of competence. Practical assessment ensures consistency across your business and confirms that industry standards are met.

HRD does not cut corners. Employers and industry can be confident that our assessment process ensures that employees are competent to carry out tasks in a safety-critical role.

RPL/RCC. Recognition of prior learning/current competence is available to eligible existing employees – confirms employee skills and helps meet regulatory demands for a qualified workforce.

Training options and advice

Not sure about what training your people require? Need advice about suitable training options and offerings?

Enquire with HRD about options and alternatives. We provide informed, accurate advice about the **BEST** option for your personnel and your business.

HRD's comprehensive Certificate IV program is the proven course that provides competent, work-ready signal maintainers to the industry workforce locally and nationally.

HRD–C4 Rail Signalling training

Publication date
17 November 2020



HRD Integrated Services Pty Ltd

Quality rail signalling training and assessment solutions

Head Office

Factory10, 8–10 Norton Drive MELTON VIC 3337

ABN: 70 920 565 479

Phone: (03) 9747 2386 / 0437 419 713

Email: admin@hrdi.com.au

Web: www.hrdi.com.au

RTO No: 22116

REC: 17154

Certificate IV qualification structure

This is the typical UEE41220 Certificate IV course HRD offers but can be customised to local needs.

Certificate IV Rail Signalling Core – Industry Specialisation Units

- UEERS0001 Assemble and wire internal electrical signalling equipment
- UEERS0011 Install and maintain rail track circuit leads and bonds
- UEERS0019 Test copper rail signalling cables
- UEERS0017 Repair rail signalling power and control cables

Industry foundation units (the 'Wiring Units') are prerequisites to the core technical units below and must be completed at the start of the Certificate IV course.

Certificate IV Rail Signalling core – general

- UEECD0024 Participate in development and follow a personal competency development plan
- UEECD0027 Implement and monitor energy sector WHS policies and procedures
- UEERE0015 Implement and monitor energy sector environmental and sustainable policies and procedures

Delivery and assessment of general core units is integrated into core technical and elective units.

Certificate IV Rail Signalling core – technical units

- UEERS0010 Install and maintain rail signalling power supplies
- UEERS0005 Install and maintain active level crossing equipment
- UEERS0009 Install and maintain power operated point-actuating devices
- UEERS0013 Install and maintain train detection equipment
- UEERS0012 Install and maintain trackside signal and train protection equipment
- UEERS0014 Install and maintain vital relay interlocking systems
- UEERS0004 Find and repair rail signalling system faults

Core units are mandatory and involve theory-based learning with practical application in both non-live environments and in the workplace.

UEERS0004 assessment is embedded in all core technical units.

Certificate IV Rail Signalling technical electives (recommended electives)

- UEERS0008 Install and maintain non-vital telemetry systems
- UEERS0006 Install and maintain computer-based interlocking rail systems

Elective options can be varied by negotiation and within qualification packaging rules.

Certificate IV Rail Signalling additional general electives

- UE ECS0003 Assemble, set up and test computing devices
- UE ECS0022 Install and configure a client computer operating system and software
- UE ECS0029 Set up and configure basic local area network

OS and LAN electives are additional optional electives agreed by industry as useful to signal maintainers.

Installer skills

The Certificate III rail signal specialisation units prepare learners to exit training for work as a **SIGNAL INSTALLER**

There's a pathway allowing these skills to be added to later.



National recognition

Participants who successfully complete the UEE41220 Certificate IV course are qualified rail signal installer, maintainer or reactive technicians.

There's opportunity for interstate employment once local requirements are met.

Employers: HRD can help you top-up a new employee with knowledge and skills to meet local standards.

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