

## Nationally recognised training

# Certificate IV in Electrical – Rail Signalling (UEE41211)

## HRD Integrated Services technical training

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### 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

- 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

- Maintenance instructions
- Notebook, highlighters and 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 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.** 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 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

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HRD Integrated Services Pty Ltd

Quality rail signalling training and assessment solutions

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## Certificate IV qualification structure

This is the typical UEE41211 Certificate IV course HRD offers but can be customised to local needs.

### Certificate III Electrotechnology (electrician) – specialisation electives

- UEENEEN102A Assemble and wire internal electrical signalling equipment
- UEENEEN103A Install and maintain rail track circuit leads and bonds
- UEENEEN104A Test copper rail signalling cables
- UEENEEN121A Repair rail signalling power and control cables

Industry specialisation electives (the 'wiring units') must be completed to be eligible for the Certificate IV qualification.

### 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.

### Certificate IV Rail Signalling core – general

- UEENEEE038B Participate in development and follow a personal competency development plan
- UEENEEE117A Implement and monitor energy sector OHS policies and procedures
- UEENEEK145A Implement and monitor energy sector environmental and sustainable policies and procedures

Assessment of general core units is integrated into core technical and elective units.



### Certificate IV Rail Signalling core – technical units

- UEENEEN105A Install and maintain rail signalling power supplies
- UEENEEN107A Install and maintain active level crossing equipment
- UEENEEN108A Install and maintain power operated point-actuating devices
- UEENEEN109A Install and maintain train detection equipment
- UEENEEN111A Install and maintain trackside signal and train protection equipment
- UEENEEN112A Install and maintain vital relay interlocking systems
- UEENEEN118A Find and repair rail signalling system faults

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

UEENEEN118A assessment is embedded in all core technical units.



### Certificate IV Rail Signalling technical electives (recommended electives)

- UEENEEN110A Install and maintain non-vital telemetry systems
- UEENEEN114A Install and maintain computer based interlocking rail systems

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

### National recognition

The HRD UEE41211 Certificate IV course qualifies you to work in rail signalling as an installer, maintainer or reactive technician.

There's opportunity for interstate employment once you meet local requirements.

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

### Certificate IV Rail Signalling additional general electives

- UEENEEED102A Assemble, set up and test computing devices
- UEENEEED143A Install and configure a client computer operating system and software
- UEENEEED146A Set up and configure basic local area network

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

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