

**CONNEXIS**  
INFRASTRUCTURE TRAINING

NEW ZEALAND APPRENTICESHIP

LEVEL 4

# *Traction Line*

**NZA**

NZQA #3988

131 CREDITS

21 MONTHS



 NEW ZEALAND  
APPRENTICESHIPS

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**Enrol Now**

CALL US: 0800 486 626

[askus@connexis.org.nz](mailto:askus@connexis.org.nz)

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# NZA *Traction Line*



Create traction in your recognised career pathway by signing up to this New Zealand certificate.

Graduates will be qualified to work as a Traction Line Mechanic, and will be able to operate under limited supervision.

## WHAT YOU'LL LEARN

- Integrating health and safety procedures into workplace practices when carrying out work on traction line networks.
- Applying knowledge of codes of practice, industry standards and operating procedures, and complying with asset-owner requirements when installing, maintaining or repairing traction line networks.

## HOW THE COURSE IS DELIVERED

This programme is assessed on-job and is completed through workbooks. It can also be achieved through Advanced Portfolio Assessment (APA). If the learner has a minimum of 4 years experience working in the industry, and can provide a portfolio of evidence from the past 24 months linking to the level of this programme's unit standards, then APA could be a great option to recognise existing skills.

## ENTRY REQUIREMENTS

The learner must be employed in the traction line industry and exposed to the relevant skills covered. It is recommended the learner also hold the New Zealand Certificate in Electricity Supply (Introductory) (Level 2), before being signed up to this qualification.

## TRAINING PATHWAYS

Graduates will be qualified to work as a Traction Line Mechanic, and will be able to operate under limited supervision. This programme leads towards eligibility for registration by the Electrical Workers Registration Board (EWRB).

**Contact us now to enrol**

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# Programme Structure

The structure of this programme features five compulsory modules, including capstone assessment.

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## Module 1

Climb and work on electricity network structures

Use a truck loader crane to lift and place regular loads

Rescue a victim from an electrical structure

Operate a mobile elevating work platform (MEWP) in an electricity supply environment

## Module 2

Demonstrate the requirements for holding access permits for work on electrical lines, cables, and equipment

Demonstrate knowledge of electrical test instruments and carry out electrical testing

Isolate and reinstate a section of electricity distribution network

Demonstrate knowledge of traction network earthing and bonding systems

## Module 3

Demonstrate knowledge of conductors, insulators, and resistance in the electricity supply industry

Demonstrate knowledge of the installation, tensioning and terminating of traction wires

Demonstrate knowledge of traction network hardware defects

## Module 4

Prepare a plan of work and produce freehand sketches for electricity installations

Install, tension, and terminate traction wires

Install, repair or adjust traction support fittings

Carry out condition assessments of traction network hardware

Install or repair traction network earthing and bonding systems

## Capstone Unit Standards

Install or repair traction network structures

Demonstrate and apply knowledge of legislation and codes of practice in the electricity supply industry

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