



## ELECTRICAL INFRASTRUCTURE CONSTRUCTION

This career-focussed matric is meant for you if you are interested in the **electrical infrastructure and engineering industries**.

The programme:

- provides you with essential industry-related skills;
- gives you simulated practical and work experience to improve your employability after matric;
- is predominantly skills-focused and integrates with academic knowledge, and
- follows the NCV curriculum.

Successful learners receive a qualification at the end of each academic year.

### Curriculum

- English First Additional Language
- Life Orientation
- Mathematics or Mathematical Literacy

### Compulsory subjects:

- Electrical Principles and Practice
- Electronic Control and Digital Electronics
- Workshop Practice (Level 2)
- Electrical Workmanship (Levels 3 and 4)

### Choose any one of the following:

- Electrical Systems and Construction
- Physical Sciences
- Renewable Energy Technologies

### Entry requirements

- Grade 9 pass (minimum of 50% for Mathematics)
- NQF Level 1 qualification

### Contact details:

 [cpc@curro.co.za](mailto:cpc@curro.co.za)

[www.curro.co.za](http://www.curro.co.za)

**#Learners2Leaders**

## QUICK FACTS

- Learners who complete this qualification could pursue careers as **electrical engineers, electrical contractors and foremen**.
- This provides you with essential industry-related skills, simulated practical and work experience and **improve your employability** post qualification.
- **Entry requirements:** Grade 9 pass and minimum of 50% for Mathematics.

### What can I do with an NCV 4 in Electrical Infrastructure Construction?

- Go to university or other tertiary education institutions
- Start working after matric
- Start my own venture

### Programme information

The Electrical Infrastructure Construction programme covers heavy current, overhead power lines and the domestic, civil and industrial industries. Learners will gain exposure to the communication, industrial electronics, and sound engineering and instrumentation fields.

### What will I learn?

- How to work with different forms of currents
- How to work with overhead power lines
- How to work with digital electronics and controls
- The distribution of electricity and domestic wiring
- Current basic civil and industrial industry requirements relating to electrical infrastructure
- The ability to understand electronics in engineering, both industrial and sound.



### Qualification

National Certificate Vocational NQF Levels 2, 3 and 4

SAQA ID Level 2: 50440; SAQA ID Level 3: 50442 SAQA ID Level 4: 50441  
Accreditation body: Umalusi. Each level takes one year to complete.