

CAREER PATHWAY

ELECTRICIAN



SKILLS TAUGHT IN ITI

- Installing and commissioning of electrical wiring and obtaining service connection
- To check, dismantle, repair, overhaul, assemble, install and maintain electrical appliances and machinery
- Install electrical posts, high tension and low tension line conductors supply system
- Install as per drawing
- Lifting, hoisting and placing heavy electrical equipment as required
- Erection and commission of bus bar, panel board, fuse box and switch gear
- Rewind electric motors
- Check for continuity, resistance, circuit shorting, leakage, and earthing etc.
- Make electrical connections in wires and cables
- Do simple cable joints and solder as specified
- Use gauges and meters to ensure proper functioning of electro-mechanical components such as circuit breakers, relays and electronic gadgets
- Refer drawing and wiring diagrams to check electro-mechanical components
- Locate faults in case of breakdown and replace blown out fuses, burnt coils, switches and cables etc
- Soft skills and life skills
- Digital literacy

SKILLS NEEDED BY COMPANY

- Identify necessary materials, tools and equipment
- Apply practical skills with theoretical knowledge while on the job
- Proficiency in Basic reading and writing in English along with a regional language
- Read and interpret technical parameters, documents, plans, and work process
- Identify and rectify errors in job/assembly as per drawing
- Document the technical parameters related to the tasks
- Operate motors, transformers, generators and switch gears
- Maintenance of lights, fans, and switch boards
- Perform tasks with due consideration to safety

CAREER PATHS FOR THIS TRADE

ENTRY LEVEL

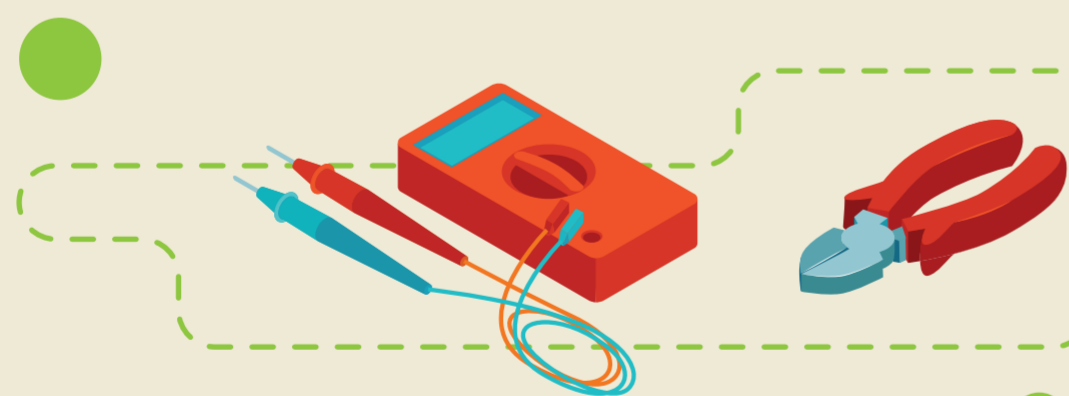
- Apprenticeship
- Electrical Helper
- Workshop Assistant

MIDLEVEL

- Electrician
- Line Inspector
- Trainer
- Locomotive Driver

SENIOR LEVEL

- Highly Skilled Electrician
- Electrical Supervisor
- Dealership for Electrical Hardware
- Training Officer
- Electrical Contractor



JOB OPPORTUNITIES AFTER ITI

- Factories
- Business Premises
- Residences/Apartments
- Power Houses
- Workshops
- Educational institutes
- Hospitals
- Electricity Board
- Railway
- Transport
- Harbour
- Ships
- Airports
- Government and Private Offices

UPSKILLING OPPORTUNITIES

- Obtain wireman 'B' license, issued by the Electrical Licensing Board
- Apprenticeship (NAC Certificate)
- Crafts Instructor Training Scheme (CITS) to become an instructor in ITIs
- (DEEE) Diploma in Electrical Engineering