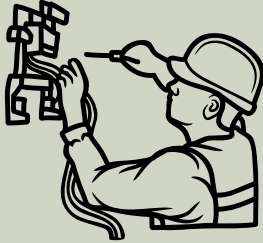


Electrician Course Brochure

Course Brochure

SUPRABHAT

ITI



Electrician

NSQF Level - 4

Course Duration - 2 Years

Entry Qualification

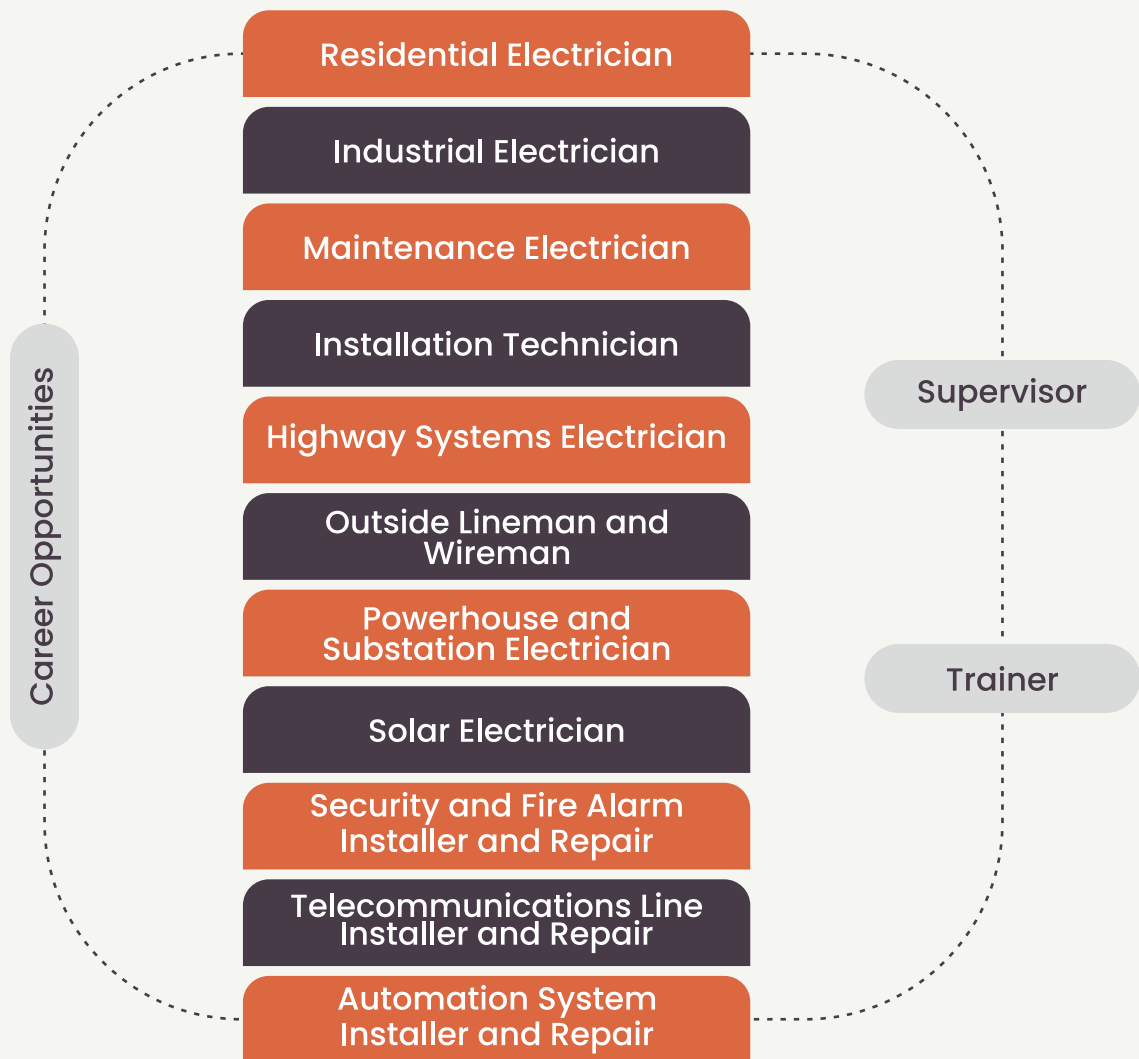
Students must have passed 10th class examination with Science & Mathematics or its equivalent from any recognized Board.

Job Role

The job of an electrician is to install, maintain and repair electrical control, wiring, and lighting systems. The electricians may be employed in the installation of new electrical components or maintenance and repair of existing electrical infrastructure. The course at Suprabhat will equip students with end to end knowledge and skills required to become professional electricians.

Job Opportunities

As our country develops, the demand for electricians will also rise. With electricity reaching every corner of the country, the job market for certified electricians is expanding rapidly - with an estimated 200,000 new jobs coming up by 2025. A qualified electrician can work in both Government and Private sectors in a number of job roles. They can also choose to start their own business.



Scope of Career (fig.)

Course Structure

Semester 1

- Safety Practice and Precautions
- Basic Workshop Practice
- Wires, Joints, Soldering, U.G. Cables
- Basic Electrical Practice
- Magnetism and Capacitors
- AC Circuits

Semester 2

- Cells and Batteries
- Basic Wiring Practice
- Wiring Installation and Earthing
- Illumination
- Measuring Instruments
- Domestic appliances
- Transformer C Ci

Semester 3

- DC Generator
- DC Motor
- AC Three Phase Motor
- AC Single Phase Motor
- Alternator
- Synchronous Motor and MG Set

Semester 4

- Electronic Practice
- Control Panel Wiring
- AC/DC Motor Drives
- Inverter and UPS
- Power Generation and Substation
- Transmission and Distribution
- Circuit Breakers and Relays



Classroom



Electrical Lab