**ELECTRICIAN**
THE PROBLEM SOLVER, THE BUILDER, THE ORGANIZER

**JOB DESCRIPTION**
Electricians install new electrical systems and keep them at optimum working capacity. They use a variety of hand and power tools to inspect, install, repair, and maintain these systems in homes and businesses.

**REQUIRED EDUCATION**
- High school diploma or GED mandatory
- Must have completed 1 full year of high school algebra with a minimum grade of “C” or 1 semester of college algebra with a minimum grade of “C”.

**TYPES OF ELECTRICIANS**

- **Outside Lineman:** Installs the distribution and transmission lines that move power from a power plant to a building.

- **Inside Wireman:** Installs the power, lighting, controls and other electrical equipment in commercial and industrial buildings.

- **VDV Installer Technician:** Installs circuits and equipment for low voltage systems like telephones, computer networks, video distribution systems, security, access control systems.

- **Residential Wiremen:** Installs electrical systems in family homes.

**HOW TO PREPARE**
Apprenticeship: To get into the industry, an electrician must first complete the apprenticeship program, a 4-5 year education sponsored by a union or contractor. During apprenticeship, an electrician will learn electrical theory, blueprint reading, mathematics, electrical code requirements and safety practices.

Learn more about this career at www.gladeo.org

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