

GLADEOGRAPHIX PRESENTS:

# 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.



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Design by Rafael Joseph