Skills: Check the skills you have below

measuring and fabricating conduit

installing wiring

installing MC cable

installing Type NM cable

testing wiring systems

tracing wiring devices to breaker

troubleshooting and repairing devices and circuits

wiring outlets

wiring three-way switches

wiring four-way switches

ability to follow instructions

ability to read design drawings

basic math skills

how to interpret and apply the rules and regulations of the National Electric Code (NEC)

how to use power tools

how to install switching devices, cables, wiring, and conduits

how to plan and complete an electrical installation

electrical safety rules and procedures (based on OSHA)

understand Electrical Theory

install Lighting and Lighting controls

install and configure Industrial Controls

install and configure Communication Equipment

operate Testing Equipment

install High Voltage Distribution

instrumentation

communications (Networks)

install and program Programmable Logic Controllers

install and configure Fire Alarm Systems

job site management & supervision

Design new basic electrical systems

install new electrical systems

troubleshooting and repairing or replacing old systems

outdoor/parking lot lighting systems

mechanical connections

power supply/service entrance

telecommunications

security systems

Determine wire size and type depending on load, distance and application

Tools: Check the tools you will bring to the job

Hand tools: screwdrivers, needlenose, lineman’s pliers, dikes etc

Cordless power tools: drill, impact, saw

Multimeter

Work Lights

Outlet tester/widow maker etc.

Circular saw, recip saw, cord or cordless

Hammer drill, cord or cordless

Rotary hammer drill

Ladders Step: 6 8 10 12

Extension: 20 24 28