

The Jobsite Skills Acquisition

COMPANION
GUIDE

for Electrician Trainees Pursuing the

WECA Program Certificate

Use this guide to track your own jobsite skills practice and progress. Share it with your employer and supervisor and ask for experience with the hands-on skills appropriate for your progress level in the four-year WECA GetWired Electrician Trainee Certificate program.

IN YOUR 1ST YEAR

GETWIRED BASIC 100 Series

Planning and Initiating Projects
Material handling and management
Slab and site work
Establishing OSHA and customer safety requirements
Implementing conservation and recycling practices on a project

Planning and Installing Branch Circuits
Installing electrical systems (rough-in stage)
Wiring Installing – Includes branch circuit wire
Splicing/Terminating – Installing, terminating all devices, e.g. receptacles and switches

Establishing Power Distribution and Panels within Project
Service and feeder cables – Includes feeder wire

Trim, Finish, and Hookup
Installing electrical systems (finish stage)
Installing Indoor and Outdoor Receptacles, Lighting Circuits and Fixtures

Special Systems
Conduit, cable, boxes, supports, and devices associated with Special Systems
Installing telephone and data systems

IN YOUR 2ND YEAR

GETWIRED INTERMEDIATE 200 Series

Planning and Initiating Projects
Establishing temporary power during construction
Establishing grounding systems

Planning and Installing Branch Circuits
Planning and installing raceway systems under 2"
Underground and in-slab raceways for uses other than utilities

Establishing Power Distribution and Panels within Project
Installing Services to Buildings and Other Structures

Planning and installing raceway systems 2" and over
Service and feeder cables
Transformers

Trim, Finish, and Hookup
Providing power and controls to motors, HVAC, and other equipment
Terminate all lighting poles, wall packs, bollards and other exterior light fixtures

Special Systems
Energy-efficient lighting and equipment control systems

IN YOUR 3RD YEAR

GETWIRED ADVANCED 300 Series

Planning and Initiating Projects
Setting or pouring concrete vaults, manholes, pull boxes or transformer pads
Blueprints / Layouts

Planning and Installing Branch Circuits

Establishing Power Distribution and Panels within Project
Panel boards over 200 amperes, setting and terminating main switchgear, distribution boards, panels

Bus Duct

Trim, Finish, and Hookup

Special Systems
Installing instrumentation and process control systems
Installing fire alarm systems

Start-up, Testing, Troubleshooting and Repairing Electrical Systems

IN YOUR 4TH YEAR

GETWIRED JOURNEY- PERSON PREP 400 Series

Planning and Initiating Projects

Planning and Installing Branch Circuits

Establishing Power Distribution and Panels within Project

Trim, Finish, and Hookup

Special Systems
Energy management systems
Intercom-Signal systems

Motor Control centers
Theatre, nurse call, Halon fire suppression, and other such specialty systems
Installing and maintaining emergency power generation equipment
Installing and Maintaining Alternative Energy Generation Systems (e.g., Solar Photovoltaic Systems)

Start-up, Testing, Troubleshooting and Repairing Electrical Systems