Roadmap to an Electrician Trainee Program Certificate from TATE CA

START: **BASIC** 100 Series 101

Fundamentals of electrical theory and introduction to the National Electrical Code (NEC)

103

Introduction to the basic installation of lighting fixtures and branch circuits

104

Continuation of lighting branch circuits & introduction in residential to special purpose electrical outlets

Special systems and single-phase transformer theory applications

204

Transformers, special locations, and single-phase motors

203

Raceway systems, switchboards and panelboards, DC motors, Three-phase alternators & motors

102

202

3-phase electrical systems, conductors & overcurrent protection, grounding, wiring methods, trig and vectors

201

Introduction to alternating current, branch circuits, & feeder/service calculations

INTERMEDIATE 200 Series

ADVANCED 300 Series

301

Electrical work for commercial construction from the ground up: 302

Electrical work for commercial construction from the ground up: Part 2.

303

Planning Commercial Electrical Installations and Electronics for Electricians

304

Assess, Analyze, and Take Action. A codebased path for errorfree electrical circuit installations.

FINISH:

Congrats, ET Graduate!

Call the WECA office

for more information.

at 1-877-444-9322

404

Jobsite Management Skills

403

Electrician Certification Test Preparation

OR 4000se

Perfect Solar Installations

402

Solar Power; plus Residential Service and Troubleshooting 401

Introduction to **Motor Controls**

JOURNEY PREP 400 Series

any point after 401 but before 404, you will take Basic Motor Controls 1 & 2 -OR-**Comprehensive Battery Energy Storage**

Systems (BESS)

You Choose

BMC 2

Get hands-on lab experience building control circuits for motors as BMC₁ you learn the basics of motor controls.

Build on what you learned in BMC 1 by getting further hands-on lab

experience building control circuits for motors. (Must be taken after BMC 1.)

COMP BESS

AND

Comprehensive Battery Energy Storage Systems (BESS) combines "Residential BESS" and "Commercial BESS." Learn about Lithium-lon rechargeable batteries, applications, and grid storage.

- The chart above shows which classes you need to take to earn your certificate. Attend online, instructor-led classes (typically 2 nights per week), and onsite electrical labs (typically one Saturday per class). You can also choose entirely self-paced online options, or online interactive lab experiences instead of onsite. It is possible to complete this certificate program entirely online.
- Work in the trade and gain the required on-the-job experience while you complete WECA's ET course path.
- By completing your electrical education with WECA, as well as the required on-the-job hours, you will qualify to take the California electrician certification exam.
- The courses listed above must be completed with a "pass" designation, and at least 600 course hrs completed (based on a goal of successfully completing 150 hrs per year) to be awarded the Electrician Trainee Program Certificate. Supplemental courses are available.
- OSHA30 is accepted as another alternative to BMC 1 & 2 if enrolled by 12-31-25.