



***WECA: Your pathway
to a career in the
electrical trade!***



Who is WECA?

WECA stands for Western Electrical Contractors Association. WECA is a non-profit organization serving merit shop electrical contractors, their employees, independent electrical students, and the industry suppliers that support them.

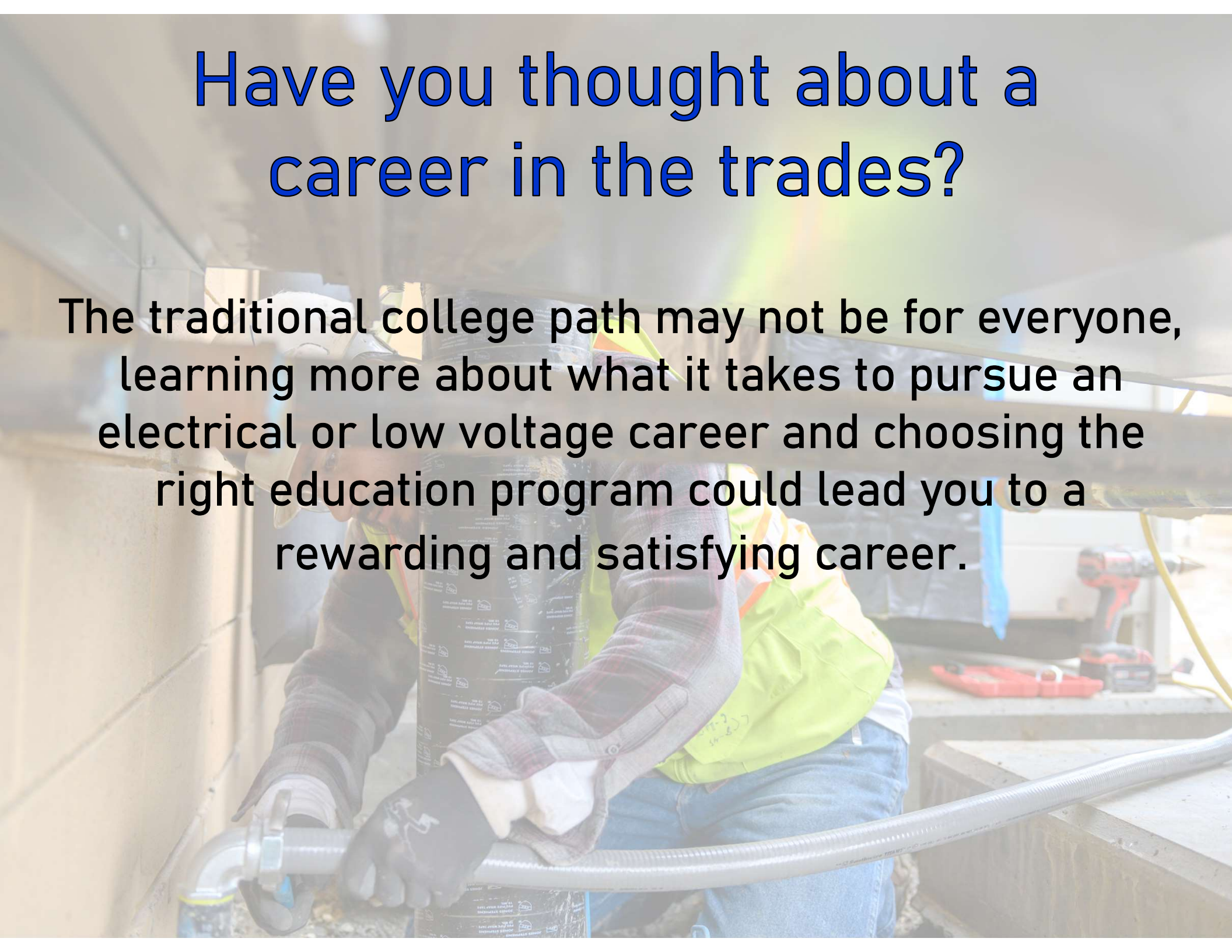
In California, WECA offers federal and state-approved Commercial, Residential, and Low Voltage Electrical Apprenticeship programs, a state-approved Electrician Trainee program, certification exam preparation classes, and state-approved continuing education classes for journeyman electricians and low voltage technicians.


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Have you thought about a career in the trades?

The traditional college path may not be for everyone, learning more about what it takes to pursue an electrical or low voltage career and choosing the right education program could lead you to a rewarding and satisfying career.



A man wearing a grey baseball cap and safety glasses is focused on working on a circuit board. He is using a pair of tweezers to handle a small component. The background is blurred, showing other people in a workshop or classroom setting.

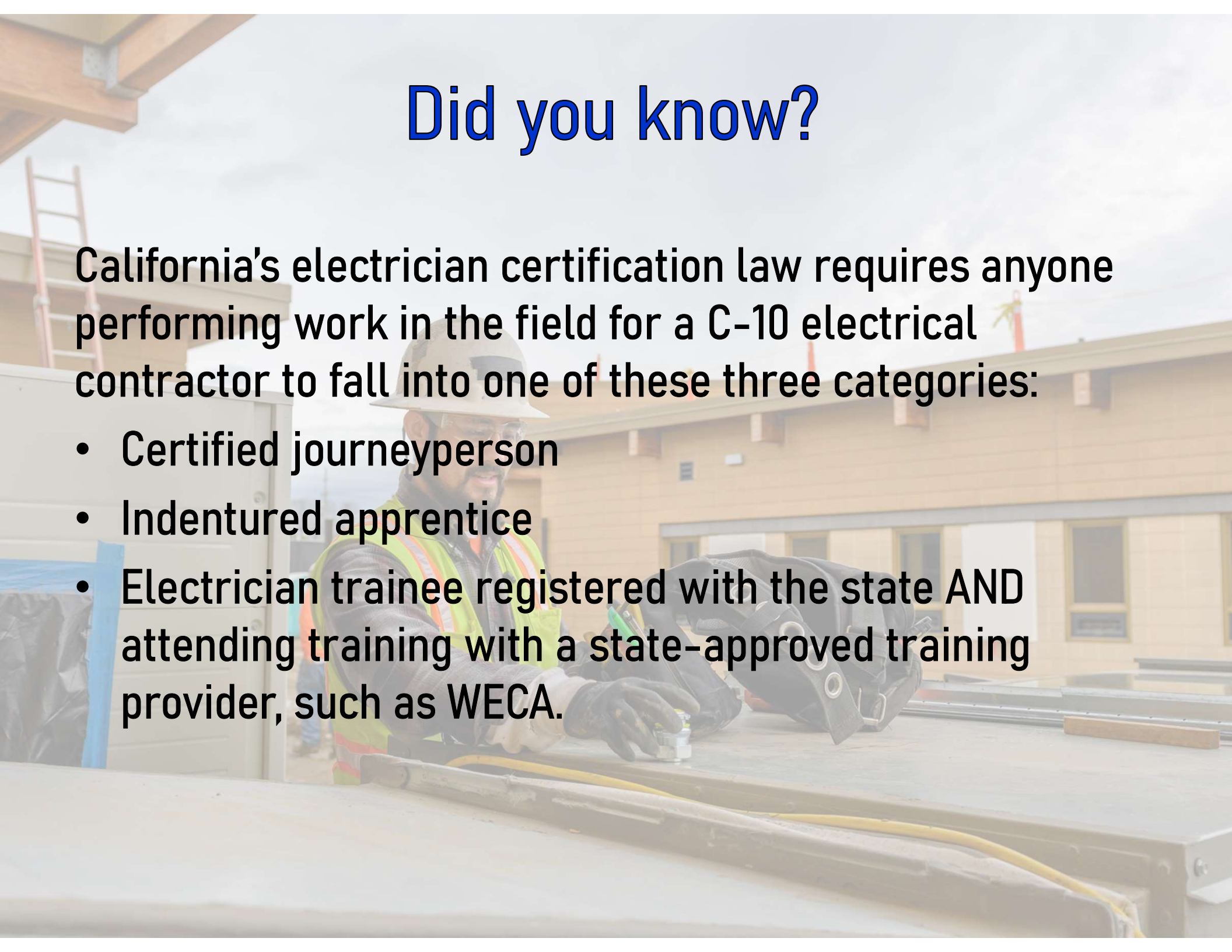
Do you enjoy working with your hands, working with tools and can figure out how things work? If you answered yes, you may want to consider a career in a trade.

A career as an electrician or low voltage technician is a respected and needed profession in our modern and increasingly electrified world. We need a new generation of skilled women and men to fill positions as the previous generation is starting to retire.

Did you know?

California's electrician certification law requires anyone performing work in the field for a C-10 electrical contractor to fall into one of these three categories:

- Certified journey person
- Indentured apprentice
- Electrician trainee registered with the state AND attending training with a state-approved training provider, such as WECA.



Electrician Trainee Program

A woman with long, curly dark hair and safety glasses is focused on working on an electrical panel. She is wearing a dark long-sleeved shirt. The background is a plain, light-colored wall. The overall image has a soft, slightly faded appearance, serving as a background for the text.

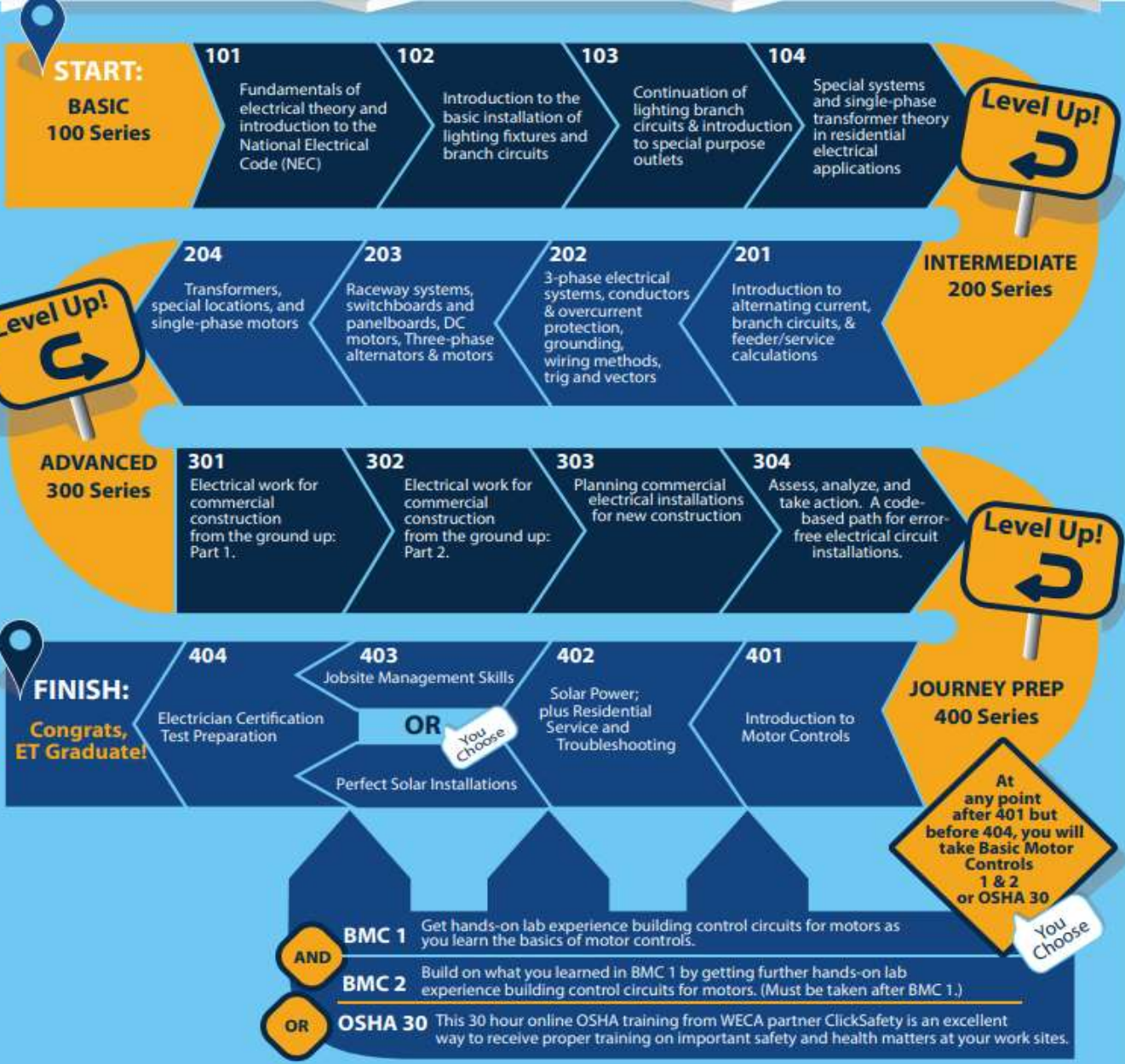
WECA's state approved Electrician Trainee program is available to students throughout California. All classes are taught exclusively by experienced electrical industry professionals. The ET must be registered with the State and enrolled in a State approved curriculum of classroom study.

Electrician Trainee

A man wearing safety glasses and a dark hoodie is focused on his work in a workshop. He is looking down at a piece of electrical equipment on a workbench. The workbench is cluttered with various electrical components, including wires, a motor, and a control panel. In the background, other people are working at similar workbenches, and the workshop environment is visible with tools and equipment on the walls.

An electrician trainee is an electrician who is enrolled with an approved Electrical Trainee Education Provider and who is also registered with the State as an Electrician Trainee. Electrician Trainees are not Apprentices; they follow a similar educational path to becoming a journeyperson electrician but are not considered an Apprentice.

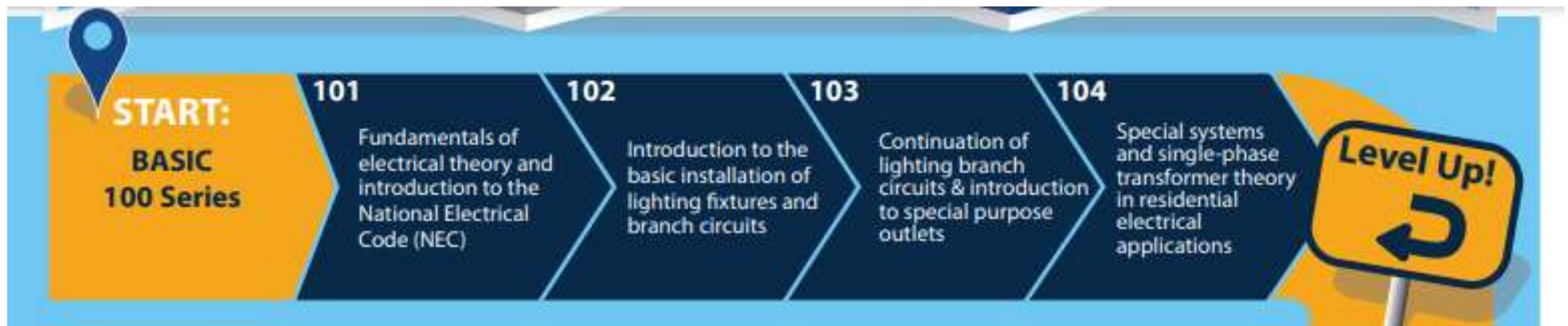
The Roadmap to an Electrician Trainee Program Certificate from WECA



- The Electrician Trainee certificate program is four years long
- Classes are available Online as Self-Paced or Instructor-Led. Most instructor-Led courses have the option of an Online lab or an On-site lab day on a Saturday.
- Work in the field and gain the required on-the-job experience while you complete courses online in the evenings or at your own time with our Self-Paced options.
- By completing the Electrician Trainee Certificate program with WECA, as well as the on-the-job hours, and renewing your ET card each year, you will qualify to take the California electrician certification exam.
- The courses shown here must be successfully completed and at least 600 course hours earned (based on a goal of successfully completing 150 hours per year) for you to be awarded the Electrician Trainee Program Certificate.

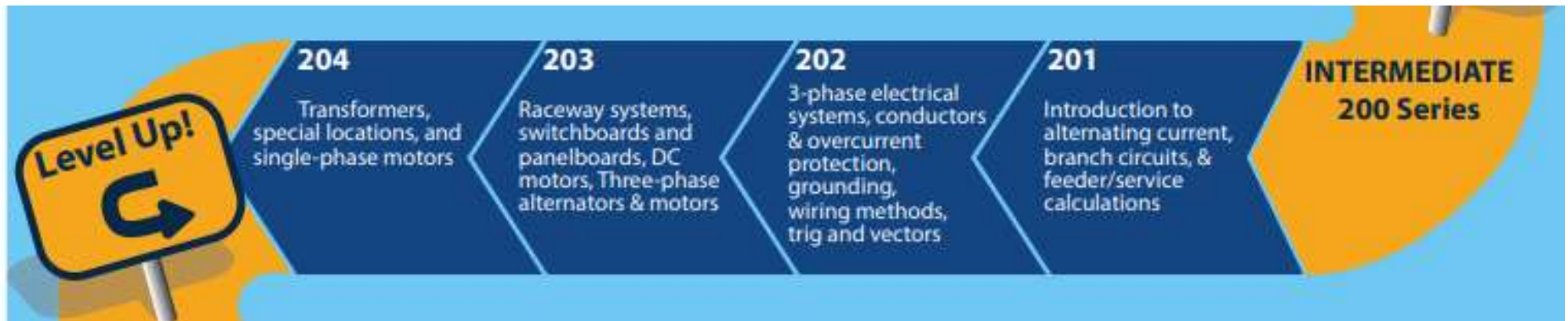
START: Basic 100 Series

The first year covers Fundamentals of Electrical Theory and Introduction to the National Electric Code. Introduction to the Basic Installation of Lighting Fixtures and Branch Circuits, Special Purpose Outlets, Special Systems & Single-Phase Transformer Theory in Residential Electrical Applications. The instructor-led Get Wired 102, 103, and 104 includes the option of an on-site lab day on one Saturday or an online lab option. Self-paced versions of these classes are also available.



INTERMEDIATE 200 Series

The second-year covers Introduction to Alternating Current, Branch Circuits, and Feeder/Service Calculations, Three-Phase Electrical Systems, Conductors and Overcurrent Protection, Grounding, Wiring Methods, Basic Trigonometry and Vectors, Raceway Systems, Switchboards and Panelboards, DC Motors, Three-Phase Alternators and Motors, Transformers, Special Locations and Single-Phase Motors. The instructor-led Get Wired 200 series classes include an on-site lab day on one Saturday or an online lab option. Self-paced versions of these classes are also available



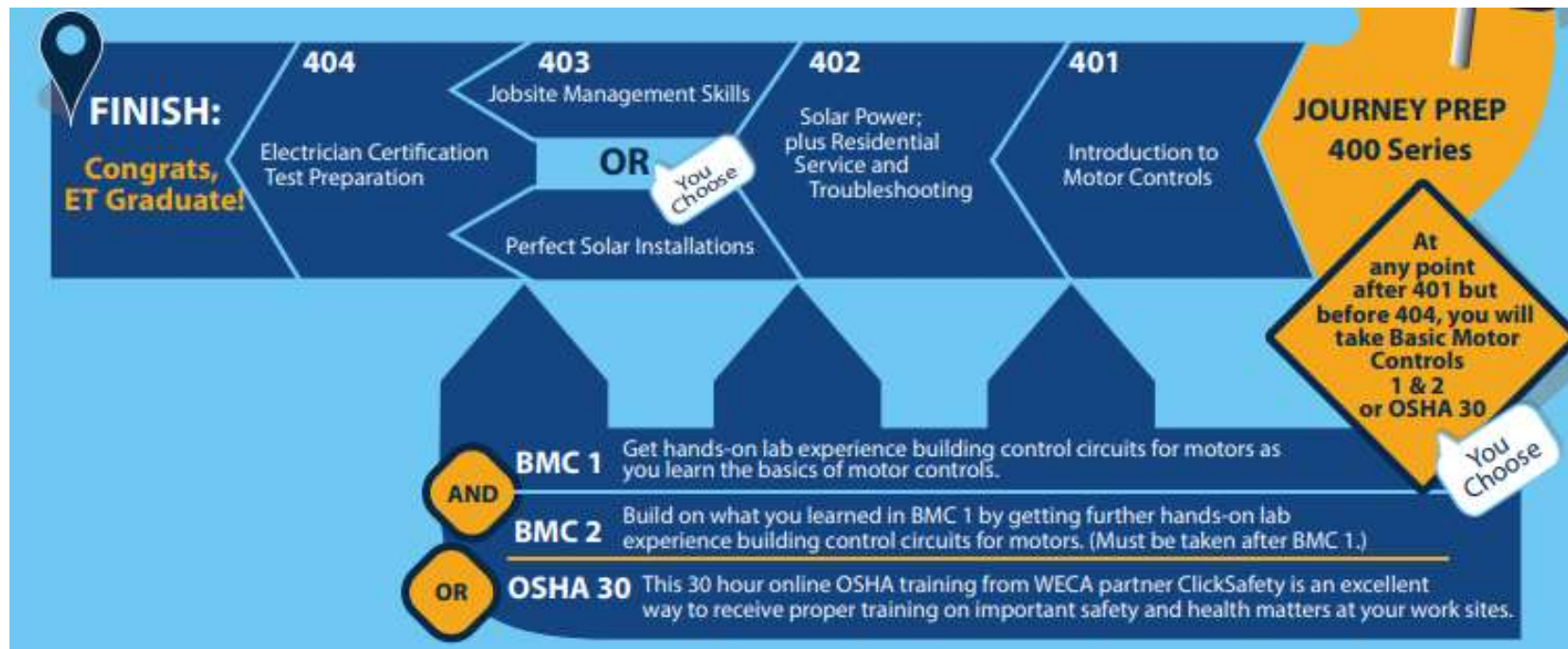
ADVANCED 300 Series

The third-year covers Coordinating Blueprints and Construction Documents for Commercial Electrical Installation, Planning Commercial Electrical Installations for New Construction, Working With Inspectors, Sizing Motor Circuits, Using a Code Based Path for Error Free Circuit Installations, and Wiring Motors and Air Conditioners. Get Wired 301 and 302 include online labs only. Get Wired 303 and 304 do not have labs.



JOURNEYPERSON PREP 400 Series

The fourth and final year covers Introduction to Basic Motor Controls, Solar Power, Residential Service and Troubleshooting, your choice of Jobsite Management Skills OR Perfect Solar Installations, and Journeyman Electrician Certification Test Preparation. Also get hands-on experience building Control Circuits for Motors or OSHA safety training in this series. The 401-404 courses have no labs. Basic Motor Controls 1 and Basic Motor Controls 2 are the only opportunities for hands-on lab experience in the fourth year.



Quarterly Class Schedule

Classes are scheduled in quarterly sessions:

January – March (Session 1)

April-June (Session 2)

July-September (Session 3)

October-December (Session 4)

- One class should be successfully completed each quarter. For example, sign up for and complete Get Wired 101 starting in October 2024, then register for Get Wired 102 starting January 2025 and Get Wired 103 starting April 2025, and Get Wired 104 in July.
- Upcoming class catalogs/schedules are available approximately 14-16 weeks before the start of each new session. For example, session 1 courses will be available for enrollment in September before session 4 classes begin in October.

How Much Will it Cost?

WECA's electrician education programs are affordable. For example, tuition for WECA's apprenticeship programs are paid for by the apprentice's employer.

WECA's electrician trainee tuition is approximately \$1,545 per year – comparable to a year's tuition and fees at a CA Community College. Compare that \$5,472 – \$13,456 for in-state university tuition or \$30,131 annual tuition at a private college.

Class Schedules

- **Instructor-led Classes are 6-8 weeks long. Self-paced courses have a 90-day completion deadline. Classes are 32-43.5 hours each.**
- **Classes are Online. Instructor-led classes are typically 2 nights per week from 5:30pm-8:15pm, plus onsite electrical labs (one Saturday per class for classes which include an onsite lab) or an online lab held during the week.**
- **Onsite labs are held on Saturdays from 8:00am-12:00pm OR 1:00pm-5:00pm.**
- **Class days during the week generally include a two-hour lecture and 45-minute quiz following lecture.**
- **Students taking Get Wired classes should expect to spend 6-9 hours per week for class lecture, quizzes, and study time (reading and homework).**

Week Day	Date	Start Time	End Time	Class Day Type
Tuesday	5/10/2022	12:00:00 AM	05:30PM	08:15PM Live Webcast GW102 Lesson 1
Thursday	5/12/2022	12:00:00 AM	05:30PM	08:15PM Live Webcast GW102 Lesson 2
Tuesday	5/17/2022	12:00:00 AM	05:30PM	08:15PM Live Webcast GW102 Lesson 3
Thursday	5/19/2022	12:00:00 AM	05:30PM	08:15PM Live Webcast GW102 Lesson 4
Tuesday	5/24/2022	12:00:00 AM	05:30PM	08:15PM Live Webcast GW102 Lesson 5
Thursday	5/26/2022	12:00:00 AM	05:30PM	08:15PM Live Webcast GW102 Lesson 6
Tuesday	5/31/2022	12:00:00 AM	12:00AM	11:59PM Online Exam Only GW102 Lesson 7
Thursday	6/2/2022	12:00:00 AM	05:30PM	08:15PM Live Webcast GW102 Lesson 8
Saturday	6/4/2022	12:00:00 AM	08:00AM	12:00PM Onsite San Diego
Saturday	6/4/2022	12:00:00 AM	08:00AM	12:00PM Onsite Rancho Cordova
Saturday	6/4/2022	12:00:00 AM	08:00AM	12:00PM Onsite Riverside
Tuesday	6/7/2022	12:00:00 AM	05:30PM	08:15PM Live Webcast GW102 Lesson 9
Thursday	6/9/2022	12:00:00 AM	05:30PM	08:15PM Live Webcast GW102 Lesson 10
Tuesday	6/14/2022	12:00:00 AM	05:30PM	08:15PM Live Webcast GW102 Lesson 11
Thursday	6/16/2022	12:00:00 AM	05:30PM	08:15PM Live Webcast GW102 Lesson 12
Tuesday	6/21/2022	12:00:00 AM	05:30PM	08:15PM Live Webcast GW102 Lesson 13
Thursday	6/23/2022	12:00:00 AM	05:30PM	07:30PM Live Webcast
Tuesday	6/28/2022	12:00:00 AM	12:00AM	11:59PM Online Exam Only GW102 Lesson 15

Register with the State of California as an Electrician Trainee (ET) & Renew your registration annually

- **Once approved for your initial enrollment with WECA, you will receive a program enrollment confirmation email from WECA with additional information and next steps.**
- **Register with the State of California's Electrician Certification Unit by sending them proof of enrollment from WECA, a State ET application, and \$25 payment.**
- **Once registered, the State will send you a letter confirming that you are a State-registered Electrician Trainee. This letter will include your Trainee card "T" number and expiration date. You should carry this with you while on the job to show proof that you are legal to work in the State. Note that it can take 4-12 weeks for the State to send you the ET card from when your payment is cashed.**
- **Renew your registration with the State annually, by showing successful completion of 150 course hours each year. The State will then send you another "T" card with new expiration date good for the next year. Continue to renew your ET card each year until you take and pass the State of California's electrician certification exam.**
- **To remain active in the ET program, you must be signed-up for a class within three months of your last class end date. This rule is in place to help ensure you are making progress in your training and meeting the State's ET renewal requirements.**

Additional Information

- **What sets WECA apart from other schools? Its blending learning format and up-to-date curriculum. WECA also has a pay-as-you-go model with affordable per-class tuition comparable to community college rates; you can pay for each class as you go rather than going into student debt.**
- **Courses are taught by experienced and certified electricians.**
- **Instructors are available to help outside of classroom hours and for self-paced classes.**
- **WECA's Electrician Trainee program prepares you to take and pass the California General (Commercial) and/or Residential Electrician Certification exam.**
- **It can take 3-5 years to gain the required on-the-job experience to be eligible for the State of California's Electrician Certification Exam**
- **WECA's ET program is four years long, allowing you to have up-to-date knowledge based on the current edition of the National Electrical Code (which is what the State Exam is based on), while you work in the field and gain the required on-the-job experience.**
- **Become a safe, competent, and confident electrician by choosing your education with WECA.**

Course Textbooks

- Textbooks are required to be purchased for each series
- Good news is you will use many of the same textbooks repeatedly throughout the four-year program
- Textbook editions will always be based on the current version of the National Electrical Code Book that the State of California uses for the Electrician Certification Exam
- It is extremely important to order your textbooks early enough so that they arrive in time before class starts. It is very difficult to pass and follow along in class without the required textbooks

Required Course Materials for the GET WIRED! Program

All required course textbooks *except for the NEC* can be purchased digitally. A physical copy of the NEC is required for all courses in which it is listed below.

General Course Materials List: Calculator, writing utensil, paper, textbooks (see below) and headset (see headset policy here: <http://www.goweca.com/headsetpolicy.aspx>).

	<i>Title</i>	<i>Edition</i>	<i>ISBN #</i>
100 Series <i>101, 102, 103, 104, Instructor-Led & Self-Paced</i>	Delmar's Standard Textbook of Electricity	7th	ISBN-10: 1337900346 ISBN-13: 978-1337900348
	Electrical Wiring Residential	20th	ISBN-10: 0357461266 ISBN-13: 978-0357461266
	2020 NEC (National Electrical Code Book)	2020	ISBN-10: 1455922978 ISBN-13: 978-1455922970
200 Series <i>201, 202, 203, 204, Instructor-Led & Self- Paced</i>	Delmar's Standard Textbook of Electricity	7th	ISBN-10: 1337900346 ISBN-13: 978-1337900348
	Electrical Systems based on the 2020 NEC	2020	ISBN-10: 0826920357 ISBN-13: 978-0826920355
	2020 NEC (National Electrical Code Book)	2020	ISBN-10: 1455922978 ISBN-13: 978-1455922970
300 Series <i>301, 302, 303, & 304</i>	2020 NEC (National Electrical Code Book)	2020	ISBN-10: 1455922978 ISBN-13: 978-1455922970
401 <i>Instructor-Led & Self- Paced</i>	2020 NEC (National Electrical Code Book)	2020	ISBN-10: 1455912778 ISBN-13: 978-1455912773
	Mike Holt's Understanding Basic Motor Controls		ISBN-13: 978-0-9992038-4-2
402	2020 NEC (National Electrical Code Book)	2020	ISBN-10: 1455922978 ISBN-13: 978-1455922970
403	2020 NEC (National Electrical Code Book)	2020	ISBN-10: 1455922978 ISBN-13: 978-1455922970
404 <i>Instructor-Led & Self- Paced</i>	2020 NEC (National Electrical Code Book)	2020	ISBN-10: 1455922978 ISBN-13: 978-1455922970

Frequently Asked Questions and Answers

- **Q: What tips are there for balancing working full-time while taking classes at night in order to be successful in the program?**
 - A: Set time aside outside of class time (beyond the 2+ hours for class lecture and quiz) for studying, reading, and completing homework. Set some predetermined time slots where you can focus on your schoolwork away from distractions. Also utilize the quiz study guide and homework preview guide that will be available to you for each class so that you can get an additional jump on some class work, especially if you know you are going to be extra busy during the work week.
 - Most importantly: to be successful in class, read the actual books, pay attention, participate by giving answers and speaking up in class; AND ASK QUESTIONS IF YOU HAVE THEM.

- **Q: What suggestions are there to prepare for the ET program?**
 - A: Make sure you have your books before class starts. Log into your account within two weeks prior to class starting to view your class assignments early. Ensure that you have tested your microphone headset if you are planning to use one. Also review the system requirements list on goweca.com to ensure that your computer meets the minimum requirements. Review the step-by-step directions from your class enrollment confirmation email to help prepare you for class.

Frequently Asked Questions and Answers

➤ **Q: Can I take vacation during class since it is all online?**

- A: Technically yes; as long as you complete your assignments, attend the minimum required course hours and achieve a 70% grade; however, it is not recommended. You will also need to take time outside of class to read and complete your homework. Also, make-ups of the in-person lab and class lecture are not allowed if the reason you missed class is that you were on vacation.

➤ **Q: What is the policy for missed classes/make-up policy?**

- A: Makeups of up to three missed quizzes/exams and three class lecture days are allowed, plus the onsite lab day. Proof of the reason for missing class is required to be submitted to be considered for a make-up. Some acceptable reasons for missing class include work schedule change, immediate need of medical attention, and mandatory contractor meetings.

➤ **Q: Four years seems like a long time; can I take two classes at once?**

- A: We recommend that you take each class in order, as each class builds on the next. For example, in the Get Wired 102 course, concepts from the Get Wired 101 will be referenced. The Get Wired 100 series is a recommended prerequisite for the 200 series, and the 200 series is a recommended prerequisite for the 300 series, etc.

Frequently Asked Questions and Answers

- **Q: Can I transfer credit from another school?**
 - A: Credit cannot be transferred from other schools at this time.

- **Q: I've already taken classes at WECA but stopped going. Do I need to retake the classes?**
 - A: No, you may pick up where you left off.



For more information visit
www.goweca.com

For more information on WECA's Electrician Trainee program, visit us at:

www.goweca.com

ET Program course catalog link:

www.goweca.com/ElectricianTrainees/TakeaClass.aspx