

# Certified Electric Vehicle Technician

*Get training to become an electric vehicle technician*



The 16-week certificate program is designed to train a new generation of technicians to work in the R&D, manufacturing, technical support, repair and maintenance of electric vehicles. This certificate program covers comprehensive topics of high voltage hybrid and electric vehicle technologies through lectures, and hands-on workshops. Students will have an opportunity to design, fabricate various components of an EV and convert an internal combustion car into a 100% electric car.

## Topics include:

- Electrical principles and practice
- Development of electric vehicles
- High voltage vehicle safety & practice
- Hybrid engines
- Electric Motors
- Electric propulsion systems
- Electric circuit systems
- Power inverter systems
- DC-DC converter system
- Computerized system controllers
- Energy management systems
- Latest development in battery technologies
- Lithium ion battery technology
- Basic maintenance and repairs of hybrid vehicles
- Conversion of an ICE car to an Electric Vehicle

## Requirements:

AA degree or equivalent with at least 5 years of work experience in any industry. Must have electromechanical hands-on work experience. Prior experience in automechanics and electricity is desirable. All prospective students must pass an assessment test.

## Course Weekly Schedule: 12 hours/week

Wednesday and Thursday: 7:00 PM -9:00 PM  
plus either Friday or Saturday: 9:00 AM-5:00 PM

**Starting Date:** Please refer to the website

**Location:** Cleantech Institute-Garden Grove

Tuition: FREE to qualified candidates who are dislocated workers or currently employed. (funded by the WIA and California Energy Commission)

This WIA Title I financially assisted program or activity is an equal opportunity employer/program. If you need special assistance to participate in this training, call 800 567 - 8184.



**Orange County**  
**Workforce Investment Board**  
**Linking Business & People**



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[www.cleantechinstitute.org](http://www.cleantechinstitute.org)

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