

# 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 electric vehicle specialists to work in electric car production, repair and maintenance. The course includes a comprehensive topics through lectures, and hands-on workshops, enabling students to learn about the latest development of electric car and hybrids. Students will work together to complete a group project of converting an internal combustion car into a 100% electric car.

## Topics include:

- Electrical principles and practice
- Development of electric vehicles
- High voltage 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

## Course Requirements:

High school diploma with 7 years of work experience or AA degree or equivalent with at least 5 years of work experience in any industry.

## Upcoming Training Dates:

December 6, 2010 - Apr 8, 2011

January 10, 2011 - May 3, 2011

February 7, 2011 - May 31, 2011

## Course Schedule:

Monday, Wednesday & Friday: 1:00PM - 5:00PM

The Clean Tech Institute is a part of the International Association of Nanotechnology, which was awarded by a \$1.5 million grant by the US Department of Labor. The certificate programs at the Clean Tech Institute are fully funded under the Trade Adjustment Act by the US Department of Labor.

**Register on-line at:**  
[www.cleantechinstitute.org](http://www.cleantechinstitute.org)



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