

Certified Photovoltaic Professional



Comprehensive course including both solar installation theory and hands-on training

September 12 - October 17, 2009 • San Jose, CA

A 6-Week Intensive Training Program

Wednesdays, 7:00 PM- 9:00 PM

Saturdays 9:00 AM - 5:30 PM

The Certified Photovoltaic Practitioner (CCP) program is designed for those individuals wanting to get into the high-growth solar energy industry. The program provides basic knowledge comprehension and application of photovoltaic (solar electric) system operations.

The CCP certificate prepares the student to become a solar installer. Whether you are starting out as general contractor, entrepreneur looking to open a solar installation business or just looking to join the solar industry this course will give you the basics of solar theory and hands on installation skills.

Additionally it will also prepare individuals to pass the NABCEP Entry Level Certificate exam should they choose to become certified. This is not a requirement for all solar installers, but many installers choose to add this certificate to their resume.

The NABCEP Entry Level Certificate of Knowledge exam is based on a set of learning objectives developed by a NABCEP Committee of PV subject matter experts.

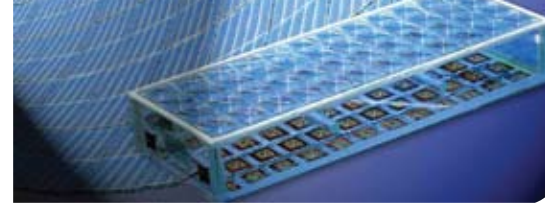
The Learning Objectives include ten (10) skill sets:

- PV Markets and Applications
- Safety Basics
- Electricity Basics
- Solar Energy Fundamentals
- PV Module Fundamentals
- System Components
- PV System Sizing
- PV System Electrical Design
- PV System Mechanical Design
- Performance Analysis and Troubleshooting

*AA Degree Recommended for this course



Certified Photovoltaic Practitioner



Clean Tech Institute provides expert management consulting services on strategic planning, corporate development, business positioning, and capital funding assistance in the emerging clean tech industry. In partnership with the International Association of Nanotechnology, the Institute provides workforce training as well as facilitating the deployment and use of clean tech solutions by business, government, universities and other institutions.

Our areas of expertise:

- Corporate environmental strategy
- Business re-engineering and acceleration
- Research and product development planning
- Product and marketing positioning
- Workforce education and training
- Facilitating and managing the Clean Tech Consortium

www.cleantechinstitute.org



Certified Photovoltaic Practitioner Course schedule (subject to change)

Week 1

Saturday September 12, 2009

Session 1: 9:00AM-10:30AM: Introduction to Photovoltaic Systems
Session 2: 10:45AM-12:15PM: Solar Radiation
Session 3: 1:30PM-3:00PM: Solar Radiation
Session 4: 3:30PM-5:30PM: Site Surveys and Pre planning

Week 2

Wednesday September 16, 2009

7:00PM-9:00PM

Session 5 – Webinar/Tutorial

Saturday September 19, 2009

Session 6: 9:00AM-10:30AM: System Components
Session 7: 10:45AM-12:15PM: Cells, Modules and Arrays
Session 8: 1:30PM-3:00PM: Cells, Modules and Arrays
Session 9: 3:30PM-5:30PM: Batteries

Week 3

Wednesday September 23, 2009

7:00PM-9:00PM

Session 10 – Webinar/Tutorial

Saturday September 26, 2009

Session 11: 9:00AM-10:30AM: Charge Controllers
Session 12: 10:45AM-12:15PM: Inverters
Session 13: 1:30PM-3:00PM: Inverters
Session 14: 3:30PM-5:30PM: System Sizing

Week 4

Wednesday September 30, 2009

7:00PM-9:00PM

Session 15 – Webinar/Tutorial

Saturday October 3, 2009

Session 16: 9:00AM-10:30AM: Mechanical Integration
Session 17: 10:45AM-12:15PM: Electrical Integration
Session 18: 1:30PM-3:00PM: Electrical Integration
Session 19: 3:30PM-5:30PM: Utility Interconnection

Week 5

Wednesday October 7, 2009

7:00PM-9:00PM

Session 20 – Webinar/Tutorial

Saturday October 10, 2009

Session 21: 9:00AM-10:30AM: Permitting and Inspection
Session 22: 10:45AM-12:15PM: Commissioning, Maintenance, and Troubleshooting
Session 23: 1:30PM-3:00PM: Commissioning, Maintenance, and Troubleshooting
Session 24: 3:30PM-5:30PM: Economic Analysis

Week 6

Wednesday 14, 2009

7:00PM-9:00PM

Session 25 – Webinar/Tutorial

Saturday October 17, 2009

Session 26: 9:00AM-10:30AM: Review & Practice testing
Session 27: 10:45AM-12:15PM: Review & Practice testing
Session 28: 1:30PM-3:30PM:

FINAL EXAM

Supporting Organizations



Please complete the following Preliminary Application
fax to: **408.280.6255**
mail to: **Clean Tech Institute**
1290 Parkmoor Avenue, San Jose, CA 95126

Preliminary Application

Certified Photovoltaic Professional
September 12 - October 17, 2009 San Jose
(A 6-Week Intensive Training Program)

Tuition: \$2,000

A Non-Refundable Registration fee \$250 is required to hold your place in the program.

Prefix: Prof. Dr. Mr. Mrs. Ms.

First Name: _____ M.I. _____

Last Name: _____

Title: _____

Organization: _____

Mail-Stop/Dept: _____

Address: _____

City: _____ State: _____

ZIP/Postal Code: _____

Home Phone: _____

Cell Phone _____

E-Mail: _____

Your qualification and working experience

*Your highest degree of formal education

High School Diploma/GED AA Bachelor Other

Other: _____

*Years of working experience

<1 years 1-5 years 6-10 years 11-15 years

16-20 years 21-25 years ≥ 26 years

Industry you are in: _____

Work Status

Employed Self-employed Not employed

Tenure at your current or (if unemployed) last employer:

_____ Years _____ Months

If unemployed, please check one:

0-3 months 3-6 months 6-12 months

12-18 months 18-24 months ≥ 2 years

Veteran Status

Yes, ≤ 180 days Yes, ≥ 180 days No

Do you have an employment training Account (ETA)?

Yes No

Participation at One-Stop Training Program:

TAA NAFTA-TAA Veterans' DVOP/LVR

Veterans' Workforce Investment Programs

Other non-WIA Program _____

Citizen:

U. S. Citizen Permanent Resident

Other: _____

Financial Aid

- Trade Adjustment Act (TAA): Individuals who qualify under this DOL funding program may use up to \$10,000 of their Individual Training Account to pay for the program.
- Veteran Status: Military veterans will qualify for federal assistance to help offset the total registration fee.
- Private Severance Pay: Dislocated workers may use their severance pay to meet registration fee requirements.
- Financing option: the Institute offers affordable education loan.

Sponsored by



<http://cleantechinstitute.org>



International Association of Nanotechnology

<http://ianano.org>



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