

Photovoltaic (PV)

Design & Installation Basics

5 Days (40 hours)

8:30 am – 4:30 pm each day

The New York State Energy Research and Development Authority (NYSERDA) and the Interstate Renewable Energy Council (IREC) in cooperation with SUNY Delhi is pleased to announce a five day course designed for those who have an interest in PV and want to learn how to design and install a PV system. Typically, the background and experience of each participant can vary significantly. We endeavor to make this course meaningful to all who attend, from the homeowner looking to make an informed decision, to the tradesman who wants to install a PV system.

- Basics of electricity and PV
- Site survey
- System sizing
- Selection of proper PV equipment and balance of system components
- Proper construction techniques
- Voltage drop considerations and wire sizing
- N.E.C. requirements
- Safety issues while working with PV installations
- Battery safety

There will be hands-on experience installing a grid-tied and battery-based system.



ISPQ Accredited

SUNY Delhi is one of the few ISPQ (Institute for Sustainable Power Quality) accredited program providers in the United States.

This workshop meets the minimum of 40 hours of formal training from an ISPQ accredited institution encouraged by NABCEP.

Registration Information

Register by **phone** (607) 746-4545 with Visa, MasterCard or Discover.

Register by **fax** (607) 746-4547 with Visa, MasterCard or Discover and the completed registration form.

Register by **mail**: SUNY Delhi, Business & Community Services, 146 Bush Hall, Delhi, NY 13753



Photovoltaic (PV) Design & Installation Basics

May 24–28, 2010

June 14–18, 2010

July 5–9, 2010

August 2–6, 2010

SUNY Delhi

NYSERDA

New York State
Energy Research and
Development Authority



We look forward to the opportunity to increase awareness of the sun's potential as a sustainable alternative energy.

Instructor

Mr. Robert Morris, Retired SUNY Delhi,
Assistant Professor Emeritus Status
NABCEP Certified Installer

Professor Morris taught for 28 years in the Electrical Construction and Maintenance Program. He was instrumental in obtaining I.S.P.Q. accreditation for SUNY Delhi, and establishing a course in Photovoltaic Design & Installation, which he taught until his retirement. Professor Morris continues teaching workshops

Questions regarding level of instruction, preparation or topics covered may be directed to Bob Morris at morrisrv@delhi.edu

*Register early -
Class size is limited*

This workshop meets the minimum of 40 hours of formal training from an ISPQ accredited institution encouraged by NABCEP.

All participants are required to bring a calculator, notebook, and pen or pencil. Textbook will be provided. Meters and NEC codebooks will be provided.

Participants are *encouraged* to bring their own hand tools, such as screwdrivers, wire strippers, etc. as well as a copy of the National Electrical Code if they have them.

*Campus housing available:
June, July & August

PV Registration Form

One registration form per person, please. Photocopies acceptable.
PLEASE PRINT

Name: _____

Email Address: _____

Business/Organization: _____

Business Address: _____

City/State/Zip: _____

Business Telephone: _____

Cell Phone: _____

The cost is \$899.00. Lunch will be provided. Breakfast and dinner are the responsibility of the participant. Registrants will receive a listing of local dining and lodging venues. *

___ May 24-28 ___ June 14-18 ___ July 5-9 ___ August 2-6

Payment in full must be received 28 days prior to start of class. A cancellation fee of \$200 per person will be charged if cancellation is 14-28 days prior to start of class. No refunds available if cancellation is made less than 14 days from start of class.

I have read, and understand, the cancellation/refund policy.

Signature _____

Make Checks/money orders payable to *SUNY Delhi*.

PO/Voucher #: _____

Visa/MC/Disc #: _____

Name on Card: _____

Amount Authorized _____

Expiration Date: _____

Signature: _____