



## Solar Photovoltaic Systems Workshop

North American Board of Certified Energy Practitioners (NABCEP) has launched their certification program for PV installers. Future exam locations will be determined based upon geographical distribution of candidates to minimize travel time to exam sites. Farmingdale State College will be one of the exam sites. Applications for the exam can be found at NABCEP's web site at [nabcep.org](http://nabcep.org).

The workshop introduces the fundamental concepts in Photovoltaic technology. It provides training in the design, installation and maintenance of grid connected residential photovoltaic systems. The course is developed based on Task Analysis of NABCEP. Topics covered include:

- Overview of PV Systems
- Sunshine basics
- How PV works
- Components of a PV systems
- Setup, configuration and sizing
- Wiring and controls
- Relevant sections of NEC
- OSHA
- Zoning laws and building codes pertaining to PV systems
- Interconnection requirements in New York State
- Specific parameters of concern to utilities in grid connected systems
- Practical experiments and demonstrations of different aspects of PV
- Site visit with detailed explanation of maintenance and troubleshooting
- Actual hands on set-up of a small scale grid connected system

In addition, basic electrical concepts and safety issues related to PV installation and maintenance work will be covered. It is a 6-day, 48-hour training course that includes extensive hands-on experience and real world applications. Students are eligible to take the NABCEP Entry Level PV Exam after completing this course.

### Upcoming Workshops:

June 15th - June 19th, 2020 + June 22nd—June 23rd, 2020

### Course details:

- Location: Lupton Hall Room 130A
- Class limit: 20
- NABCEP Certified Instructor: Michael Diehl

### Cost:

- The deadline for payment is one week prior to the selected workshop date.
- Register before deadline: \$795
- Register after deadline: \$895
- (Breakfast and textbook are included)

### Recommended for:

- Electricians
- Solar Contractors
- Engineers
- Architects
- Home Builders
- Contractors
- Anyone who is interested in Solar PV systems