GO SOLAR!

An Initiative of The Maryland Energy Sector Partnership and Anne Arundel Workforce Development Corporation

FALL 2010/SPRING 2011

Electrical Pre-Apprenticeship Program

Solar PV Emphasis

Prepare for the future of sustainable energy with a job in Solar PV or other renewable energy sectors!

This program is designed to assist students to launch a career in the electrical trade and/or the solar photovoltaic (pv) field. The training will run 500 hours (14 weeks) and will combine 420 hours of lecture and lab with 80 hours of on-the-job training.

COURSE LEARNING OUTCOMES:

- Maintain job-site safety, according to OSHA safety codes.
- Read blueprints and circuit layouts.
- Comprehend simple circuits and trouble-shooting.
- Understand the National Electrical Code (NEC) and its revisions.
- Communicate succinctly, accurately and effectively with others.
- Recognize basic terminology associated with solar PV industry.
- Describe a site assessment and understand the application of the resulting information.
- Measure solar PV system performance.
- Understand the different configurations of solar PV systems and their applications (mechanical design).
- Apply the code and safety measures specific to solar PV in a job setting.
- Sit for the North American Board of Energy Practitioners (NABCEP) Entry Level Certificate of Knowledge of Solar PV Systems Exam.

The Solar Energy sector has seen an average annual growth of 25% for the past 10 years.

Still a young technology, skilled installers are in high demand, starting out at $12-$20.

COURSE CERTIFICATIONS:

- North American Board of Certified Energy Practitioners (NABCEP) – Entry Level Exam
- CPR/AED/First Aid
- OSHA 10-hour

Completion of this program may lead to placement in a traditional electrical apprenticeship program, employment in the solar PV industry or other applicable green/ renewable energy opportunities.

CLASSES START JANUARY 2011.

Scholarships Available

GO SOLAR TRAINING
FOR NEW AND ENTRY-LEVEL WORKERS

Spring training: January 10, 2011—April 5, 2011

Classes will be held 8:30am–4:30pm, Mon.–Fri.
at the IEC-Chesapeake Training Facility.

Courses include two weeks of on-the-job training and one week of specialized solar training.

To learn more about Go Solar Training, attend one of the ORIENTATION sessions:

October 19th, 2010
November 10th, 2010
December 8th, 2010

at the IEC-Chesapeake Training Facility,
1424 Odenton Rd, Odenton, MD • (301) 621-9545
Register at 410-987-3890 or greenjobs@aawdc.org.

Course Work

Electrical

- Introduction to basic electricity and electrical theory
- Electrical materials, fasteners, blue prints and building codes
- Commercial and residential wiring, conduit bending and circuit layouts
- Troubleshoot and repair electrical systems
- Entrance calculations, transformers and grounding requirements
- Simple circuits
- The National Electrical Code (NEC)
- PV systems

Solar PV

- Solar Fundamentals
- Site Assessment
- Systems Performance
- PV Modules
- System Components
- System Design
- Mechanical Design
- Code and Safety
- Review – North American Board of Energy Practitioners (NABCEP) – Entry Level Exam

For more information: greenjobs@aawdc.org

Training Provided by

Anne Arundel Community College
Students First

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