

Photovoltaic (Solar Energy) Entry Level Program

Program Highlights:

This course is especially created to take a person with NO knowledge of electricity or solar component parts and get them to understanding the basics of electricity and understanding how the solar modules create electricity.

This class offers the students an excellent "Hands On" training session showing how the entire PV system is assembled, the component parts are wired together by the students, array is assembled, trouble shooting is demonstrated, commission steps taken and the system is activated "heated up".

You learn many facets of the solar installation process, how the entire solar system functions within the existing home and electrical grid.

Cost:

The course fee of \$1,495 includes textbooks and materials.

Prerequisites:

Minimum 18 yrs of age. High School Diploma or GED required. Knowledge of basic arithmetic/math.

SUMMER/ FALL 2012

CLASS# 13698	DATES: 6/18/12 - 6/22/12	TIME: 8:00AM - 5:00PM
DAYS: M-F	ROOM: PCDT204	INSTRUCTOR: STAFF

CLASS# 19569	DATES: 8/20/12 - 8/24/12	TIME: 8:00AM - 5:00PM
DAYS: M-F	ROOM: PCDT126	INSTRUCTOR: STAFF

CLASS# 19572	DATES: 9/24/12 - 9/28/12	TIME: 8:00AM - 5:00PM
DAYS: M-F	ROOM: PCDT204	INSTRUCTOR: STAFF

Course Description:

Photovoltaic (PV) devices generate electricity directly from the sunlight. Successful candidates achieving the PV Entry Level Program will have the basic knowledge of solar electricity suitable for a supervised, entry-level position with a dealer and/or installer or other PV industry company. This certificate will be a way for a student to demonstrate basic knowledge, creating comprehensive understanding of the application of all component parts, key terms and concepts of photovoltaic (solar electric) systems operations as recognized by North American Board of Certified Energy Practitioners (NABCEP). The learning objectives are 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, and performance analysis and troubleshooting.

**All programs/courses are
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