

Ulster BOCES Photovoltaic Practitioner Institute
For More information please visit www.ulsterboces.org

Course 1: Photovoltaics and the National Electric Code

Photovoltaic, the technology of making electricity from sunlight, is becoming an important and realistic choice to meet at least a part of our energy needs. The National Electric Code provides guidelines for keeping the installations of these systems safe. This course will provide a full review of Article 690 pertaining specifically to PV installations and safety issues and requirements. The course will be particularly useful for electricians, electrical contractors, building inspectors, building contractors and solar energy equipment installers who are either currently working with PV systems or needing to learn about safety with installations. Instructor: Richard Gottlieb. Please call 845-331-0902 ext 2209 for further information or to register for this course. Offered at the Ulster BOCES Career & Technical Center in Port Ewen, NY.

\$150 (includes lunch)
1 session/8hours
March 17
Friday 8:30AM to 5PM
Registration deadline March 10

Course 2: Introduction to PV Technology

Designed for a person with a strong personal interest in PV technology as well as those considering a career in solar electric technology, this course will give a student the theoretical basis for understanding the various types of solar electric systems. It will cover the history of solar electricity, current markets and industry status, basic electrical theory, and other considerations necessary for solar electric systems. Detailed study of system components as well as the proper and safe electrical interconnection of these components will include hands-on training exercises and experiments. Local visits to PV related facilities, and assembly of real world system examples will reinforce classroom learning. Successful completion of this course will enable the students to sit for the NABCEP PV Entry Level Certificate of Knowledge exam. Instructor Richard Gottlieb. Please call 845-331-0902 ext 2209 for further information or to register for this course. Offered at the Ulster BOCES Career & Technical Center in Port Ewen, NY.

\$600 includes text
5 sessions/40 hours
March 20-March 24
Monday through Friday 8:30AM-5PM
Registration deadline March 13

Course 3: Solar Electric for the Consumer

This six-hour course is designed to inform consumers about the features, advantages, federal and state incentives, and economics of residential solar electric systems. This course will answer homeowners' questions about solar electric technology, available government incentives, selecting and working with solar electric system installers, system costs and benefits, and other pertinent issues. This course is for informational purposes only and not to train participants how to install solar electric systems on their own. Instructor Lloyd Hoffstatter is the owner of Sunstruck Design and a NABCEP certified solar electric system installer. Please call 845-331-0902, extension 2209 for further information or to register for this course. Offered at the Ulster BOCES Career & Technical Center in Port Ewen, NY.

\$59

2 sessions/6 hours

May 1 & May 3

Monday & Wednesday

6-9pm

Registration deadline April 24

Course 4: PV Installer's Course

In this course, students will develop the knowledge and practical skills needed to install utility-connected and off-grid PV systems. Study of electric load analysis, system and component design and sizing, system siting, shading, electrical and mechanical system configuration, safety, and electrical and building code compliance will be supplemented with hands on system installation. Successful completion of this course will enable the student to sit for the NABCEP PV Entry Level Certificate of Knowledge exam. With additional education, training, and installation experience, this certificate can lead to becoming a NABCEP Certified PV Solar Installer. Prerequisite: Completion of **Introduction to PV Technology**, or equivalent course with instructor approval. Instructor Lloyd Hoffstatter. Please call 845-331-0902, extension 2209 for further information or to register for this course. Offered at the Ulster BOCES Career & Technical Center in Port Ewen, NY.

\$600 includes text

5 sessions/40 hours

May 9-May 13

Tuesday through Saturday 8:30AM-5:30PM

Registration deadline May 2

NABCEP PV Entry Level Certificate of Knowledge Exam

The North American Board of Certified Energy Practitioners, NABCEP, has selected Ulster BOCES as an approved provider of its PV Entry Level Certificate of Knowledge Exam. Any student who successfully completes Introduction to PV Technology, Photovoltaic Training for Skilled Trades People, or PV Installer's Course at Ulster BOCES are eligible to sit for the exam. Those who pass the exam demonstrate a basic understanding of the operation of a photovoltaic system. This certificate may enhance job opportunities in the solar field. For further information visit NABCEP online at www.nabcep.org. The next exam is scheduled for June 3 at the Ulster BOCES Career & Technical Center in Port Ewen. Qualified applicants may contact Virginia Carrig at 845-331-0902, ext. 2220 to register for this exam. Exam fee \$80.