Solar Electric (Photovoltaic) Certification Workshop - Hybrid Format

Online: Aug 22nd - Sept 19th

In Person: Sept 23rd - 24th 2023

Marietta, OH

Six week self-study (online) solar course with instructor-led sessions, hands-on labs

This Residential Solar Installation & Design course is sponsored by the Electronic Technicians Association, International (ETA-I). This solar course is a comprehensive learning experience designed to take students with little or no background in electrical systems and/or solar photovoltaics.

The course provides solid foundation for those wishing to enter the industry, design and install their own residential PV system, or simply understand how this emerging and important technology works. By the end of the course, students should have all the skills necessary to design and install residential-scale solar electric system. Students will also be certified (assuming you pass the examination) as a Level 1 ETA PV Installer – a credential recognized around the globe.

So how does the solar course work?

Online Self-Paced Study:

Registered students will have access to the 46-hour online Residential Solar Installation & Design course. This course tracks with the provided textbook (Understanding Photovoltaics), and is organized into 11 chapters, 71 major topic areas – with 11 review quizzes, 25 lab projects, over 550 narrated slides, dozens of integrated videos, links to online resources and materials for added comprehension and more.

Upon registration, each student will be given access to this program and can begin studying at their own pace. But most people need a bit of structure – so that will be provided as well.

Instructor-Led Study Sessions: Beginning August 22nd instructor-led sessions via Zoom will be held to walk through each chapter and session, clarifying difficult concepts and reviewing the most important highlights. These sessions will take place once a week for six weeks (Tuesdays at 1 pm eastern).

Instructor Availability via E-mail: Often questions arise and can't wait for the next Zoom meeting. An instructor is available to answer questions via e-mail throughout the course.

Hands-On Labs/Exam: On Sept 23rd we will host course hands-on labs, that provide opportunity to work directly with actual PV systems and also fulfills the hands-on requirements of the ETA PV Level 1 certification. The hands on labs take a full day to complete. We will then, on Sept 24th hold a review session and sit for the ETA PV Level 1 certification examination.

This course will focus on:

- **Basic Principles and Concepts of Power**
- **Basic Principles and Concepts of Photovoltaics**
- **The Economics of Photovoltaics**
- **Photovoltaic System Options and Components**
- **Standard system configurations**
- **Site assessment**
- **Designing a PV system**
- **Battery Systems**
- **System Installation**
- **Permits and Required Agreements**
- **Testing and Commissioning the System**
- **System Maintenance and Troubleshooting**

Contact Blue Rock Station at 740-674-4300 or www.solarPVtraining.com for further details or to register.

Qualifies for 35 hours of Health, Safety and Welfare (HSW) – related training Continuing Professional Development Education hours

Landscape Architecture Continuing Education System™

This course has been approved by the Union Education Trust as eligible for tuition payment

Union Education Trust