

# Sign-up today to earn a Solar PV Associate Certificate for **FREE!**

**Deadline to apply is March 15th.**



Interested in starting a career in solar installation or expanding your business capacity by **providing free solar installation training** to your staff? The non-profit Solar United Neighbors of Colorado is providing FREE training for four qualified candidates in Routt and Moffat Counties for the NABCEP PV Associate Certificate. Training includes on-site classwork at Solar Energy International in Paonia, Colorado, and some experience with local installation of rooftop solar.

## About the Program

Solar United Neighbors works with communities across the country to help groups of homeowners purchase solar as a group, called “solar co-ops”. These solar co-ops are run by community members with assistance of Solar United Neighbors’ expertise that helps the homeowners learn about solar energy and serves as a consumer advocate throughout the process. Solar United Neighbors’ Colorado program launches in the Yampa Valley Solar in March.

As part of the solar co-op, Solar United Neighbors is offering free solar installation classwork from [Solar Energy International](#) (SEI) and hands-on training with solar contractors in their communities. The program includes two training programs and the exam to qualify for the NABCEP PV Associate Certificate:

### **PV101: SOLAR TRAINING - SOLAR ELECTRIC DESIGN AND INSTALLATION (GRID-DIRECT)**

The 5-day PV101 course teaches the fundamentals in photovoltaic (PV) installation, including understanding of various components, system architectures and applications for PV systems. Other topics include site analysis, system sizing, array configuration, and performance estimation; electrical design characteristics such as wiring, overcurrent protection, and grounding; a detailed look at module and inverter specifications and characteristics; mounting methods; and an introduction to safely and effectively commissioning grid-direct PV systems.

**This course will be April 8-12 at SEI, in Paonia, Colorado. Participants’ travel, food, and lodging will be covered.**

### **PVOL203: SOLAR TRAINING - PV SYSTEM FUNDAMENTALS (BATTERY-BASED) - ONLINE**

PV systems with energy storage are a rapidly growing segment of the industry. This course builds a foundation for understanding many battery-based applications, in which the complexity far exceeds that of a grid-direct PV system. Load analysis is addressed along with other critical design criteria such as battery bank design, equipment options, and electrical integration of system components. Component options are covered in detail, including batteries, charge controllers, and battery-based inverters. Different battery chemistries, associated pros and cons, and cost comparisons are investigated along with safety and maintenance considerations unique to battery-based PV systems.

To qualify, candidates must be from Routt or Moffat counties, either be with a local company looking to expand in solar (e.g. HVAC, electrician), or be interested in starting a career in solar installation. **To apply, please provide your resume and completed application to Solar United Neighbors of Colorado’s Program Director, Bryce Carter, at [bcarter@solarunitedneighbors.org](mailto:bcarter@solarunitedneighbors.org) by March 15, 2019, or mail it to the address below.**

Solar United Neighbors of Colorado  
1536 Wynkoop Street, Suite 426  
Denver, Colorado 80202

*For questions, email Bryce or call 720-295-3804.*





## Solar Installation Training Application

### Deadlines and Training Schedule

Candidates will be selected by March 17th. Do not apply if you are unable to attend the April training.

Name: \_\_\_\_\_ Email: \_\_\_\_\_

Mailing address: \_\_\_\_\_  
Street City State Zip code

Phone number: \_\_\_\_\_  
Daytime Evening

Tell us about your interest in this training program:

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How do you expect to use this training?

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If applying as a business, how would you incorporate this training into your business?

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What is your current employment?

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Do you already have a degree or certification? If so, in what?

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