

ADVANCED SOLAR PHOTOVOLTAIC (PV) AND THERMAL SYSTEM INSTALLER



OVERVIEW

The Job Corps **Solar PV and Thermal System Installer** Advanced Training program requires training in the following subject areas:

- Safety
- Hand and power tools
- Construction math and industry vocabulary
- Solar energy and system fundamentals
- Electricity and energy basics
- Site assessments
- Installing solar thermal collectors, water heaters, storage tanks, piping, pipe insulation, and connecting-system piping
- Installing thermal system operation and identification tags and labels
- Performing solar thermal system checkouts
- Installing solar PV panels, arrays, and subsystems
- Solar PV system electrical and design
- Inspecting, maintaining, and troubleshooting systems
- Siting, sizing, and materials

CREDENTIALS

As a Job Corps student, you can earn credentials in your training area that demonstrate you have **gained the knowledge and skills to help you succeed in your career**. Credentials may lead to greater employment opportunities, higher wages, and promotions.

Students who complete a Renewable Resources and Energy training area can earn **nationally recognized credentials** from organizations such as the International Society of Arboriculture (ISA), the Professional Landcare Network (PLANET), and the North American Board of Certified Energy Practitioners (NABCEP).

PROGRAM ENTRY REQUIREMENTS

Before entering the Solar PV and Thermal System Installer Advanced Training program, students must:

- Complete one of the following Job Corps basic career technical training programs: Carpentry; Electrical; Facilities Maintenance; Heating, Ventilation, and Air Conditioning (HVAC); or Plumbing.
- Have a high school diploma or the equivalent.
- Have the ability to perform physical requirements of solar PV installations, including regularly lifting 50 pounds and safely climbing ladders up to 40 feet.
- Have Occupational Safety and Health Administration (OSHA) 10-Hour Training certificate.
- Have a positive behavior record with no major incidents in the past 90 days.
- Have a positive attendance and progress record.
- Have health clearance from the Job Corps center where they received basic training.
- Meet academic (math and reading) requirements.
- Have a valid driver's license.
- Pass an entrance exam.
- Complete a successful phone or in-person interview.

BENEFITS OF

ADVANCED TRAINING

- **More career options** upon graduation
- Better chance of a **higher salary**
- The opportunity to earn **advanced industry credentials**
- The opportunity to **fine-tune industry-specific skills and receive additional hands-on training** at an accelerated pace



SALARY RANGE

\$35,000 to \$50,000/year
for various careers in solar PV and thermal system installation

For additional salary information and career path options in this field, visit www.mynextmove.org.

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PROGRAM EXPECTATIONS

Students entering the Solar PV and Thermal System Installer Advanced Training program will be expected to participate in the following professional practices:

- Arrive on time and be ready to begin work immediately.
- Dress for the training area with uniform and boots worn properly at all times.
- Work the entire time while on the job.
- Adhere to OSHA and other safety rules at all times.
- Follow rules and instructions of the training area and Job Corps.
- Demonstrate respect for self, tools, and equipment.
- Take care of the work area—keeping work areas clean and safe, picking up tools, and maintaining the shop.
- Exercise good customer relations skills.



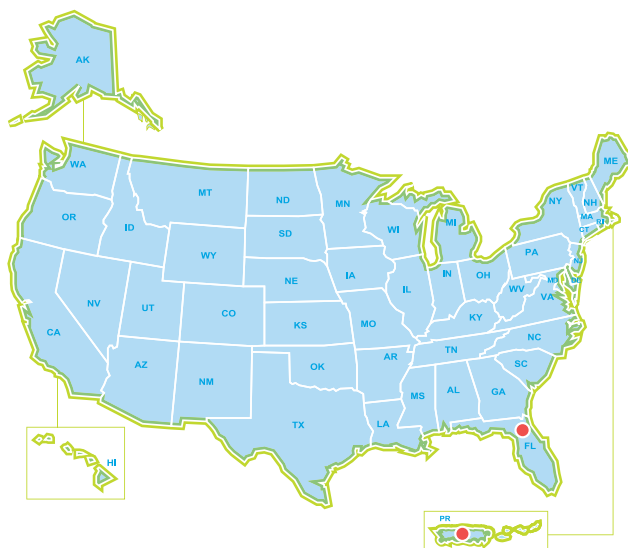
GREEN TRAINING

The Solar PV and Thermal System Installer Advanced Training program continues Job Corps' commitment to green training by preparing students to install and maintain renewable energy technologies. Students who enter this Advanced Training program will have also trained in a variety of green subject matter areas during their prerequisite Construction training program.

PROGRAM LOCATIONS

The Solar PV and Thermal System Installer Advanced Training program is offered at the following centers:

- **Arecibo Job Corps Center**, Garrochales, P.R.
- **Gainesville Job Corps Center**, Gainesville, Fla.



Administered by the U.S. Department of Labor, Job Corps is the nation's largest career technical training and education program for low-income young people ages 16 through 24. Job Corps is a U.S. Department of Labor Equal Opportunity Employer Program. Auxiliary aids and services are available upon request to individuals with disabilities. TDD/TTY telephone number is (877) 889-5627.