



Certified Solar Energy Safety Specialist

Course Length: 5 Days CEU's 4.6

Professional Credential: Certified Solar Energy Safety Specialist (CSESP)

(Note: Refresher certification is required every three years to maintain professional credential.)

Course Description

This course presents occupational safety and health standards that apply to solar energy systems and installation safety. This course teaches students the basic skills they need to work in and installing Solar systems. The primary objective is to ensure that students are able to comply with OSHA regulations and their location's policies regarding fall protection, control of hazardous energy and electrical safety.

Learning Outcomes:

- Introduction To Solar Energy
- Basic Definitions For The Solar Energy Field
- Solar Power and How It Works
- Fall Protection (Roofing)
- OSHA New Residential Requirements
- Understanding Solar PV Installations
- Understand the requirements for the use of aerial lifts in the workplace (Subpart F- Aerial Lifts)
- Understand the importance and Identify the requirements for wearing Personal Protective Equipment (PPE) and related OSHA standards (Subpart I- PPE Standards)
- Understand the requirements and General Environmental controls for protecting workers in the workplace (Subpart J- General Environmental

Controls & Confined Spaces)

- Implement measures for protecting workers and conducting First aid procedures (Subpart K- First Aid)
- Recognize potential fire hazards in the workplace and corrective measures to control these potential fire hazards (Subpart L- Fire Protection)
- Understand the safety requirements necessary to protect workers when using material handling equipment (Subpart N- Material Handling & Storage)
- Identify the precautions and hazards to protect workers using machinery or hand & portable power tools. (Subpart O & P- Machine Guarding and Hand Tools)
- Protect workers who perform jobs on or around welding operations (Subpart Q –Cutting Welding or Brazing)
- Protect workers who perform work on electrical equipment that is found in the workplace. List and describe the hazards and prevalence of electrical systems, electrical safe work practices and Arc Flash protection (Subpart S)

Audience

This course will be valuable for:

- Solar Industry Installers
- Safety, Health and Environmental Professionals,
- Safety & Health Committee Members
- Government Inspectors
- General Industry and Construction Personnel
- Safety & Health Professionals
- Training Managers
- Industrial Hygienists
- Environmental Professionals

Testing:

Students completing the course must take a proctored final exam. A score of 80% on the final exam is necessary to receive your personalized certificate of completion. The student gets three (3) attempts to pass the course.

