



GALEED INSTITUTE OF SCIENCE AND TECHNOLOGY

Nurture Minds for Greatness

80% PRACTICALS

SOLAR INSTALLATION

Assemble, install, or maintain solar photovoltaic (PV) systems on roofs or other structures in compliance with site assessment and schematics. May include measuring, cutting, assembling, and bolting structural framing and solar modules. May perform minor electrical work such as current checks.

POSSIBLE JOB TITLES



Photovoltaic Installer, PV Design Technician, Solar Power Designer, Solar Power System Technician, Solar Power System Installer, Solar Technician



DURATION

6 Months

ENTRY LEVEL

JHS | SHS | TERTIARY

DESIGN

Design and assemble solar modules, panels, or support structures in accordance with codes and standards, using drawings, schematics, and instructions.

SIZING

Determine appropriate sizes, ratings, and locations for all system overcurrent devices, disconnect devices, grounding equipment, and surge suppression equipment.

INSTALLATION

Identify methods for laying out, orienting, mounting and wiring modules or arrays to ensure efficient installation, electrical configuration, or system maintenance.

INSPECTION

Check electrical installation for proper wiring, polarity, grounding, or integrity of terminations.

CONFIGURATION

Program, adjust, or configure inverters and controls for desired set points and operating modes.

