UNIVERSITY OF JOHANNESBURG

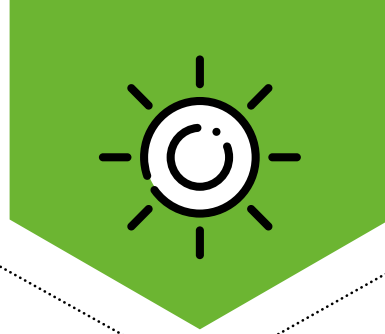**Process, Energy and Environmental Technology Station (UJ PEETS)**

ENERGY

Renewable Energy Solutions

Energy Efficiency

Waste to Energy Conversion

Energy Micro-Grids & Mini-Grids

Energy Storage

Short Learning Programme (SLP)

Solar Photovoltaic
Hybrid Design & Installation System

EARN A CERTIFICATE OF COMPLETION

WHY?

A hybrid solar Photovoltaic (PV) installation for domestic use can provide a reliable and sustainable source of energy for homeowners while also reducing their carbon footprint and energy costs. The demand for solar PV installations has increased as more people look for alternative ways to power their homes and businesses. Additionally, the South African government has recognized the need for more renewable energy solutions and has implemented policies and incentives to promote the development of the solar PV market. This SLP will help develop the PV sector in South Africa by providing students with the necessary skills and knowledge to install hybrid solar PV systems.

COURSE OUTLINE

- Solar PV principles
- Solar PV systems
- Inverter types and operation.
- Hybrid inverters
- Basic tools used in repairing, installing and testing solar PV systems
- Occupational Health and Safety (good housekeeping practices, correct use of personal protective equipment).
- Basic concepts of electricity (refresher on the basic concepts of electricity).
- Fault finding in electric circuits.
- Practical installation of a Hybrid PV system

DATES, HOURS AND LOCATION

- Applicants will receive confirmation of commencement.
- Total no of hours: 53
- Online self-learning, contact training, practical, assignment completion and assessment.

CANDIDATE REQUIREMENTS

Applicant requirements: a basic elementary educational background (grade 10 or equivalent), especially in Mathematics, Maths Literacy and English.

COST

* 53 hours course: R13 720.00
* Three week course: tba
* Six week course: R24 000.00

For further enquiries send an email to peetstraining@uj.ac.za