



## California South Bay University



### Photovoltaic Practitioner Certificate Program Accredited By IREC

#### Registered Provider of the NABCEP Entry Level Exam

Want to be part of a thriving green energy industry where there may be 3.3 million jobs in the next 10 years? Join California South Bay University's (CSBU) certificate program in Photovoltaic System Design and Installation. The introduction course prepares students for the **Entry Level Certificate of Knowledge Exam for the North American Board of Certified Energy Practitioners (NABCEP)**. Passing the exam indicates industrial approval of professional knowledge of a PV system. Entry-level Certification Exam from NABCEP at CSBU is an option.

**Course name:** Photovoltaic System Design and Installation --Introduction

**Tuition:** \$695      **Course Length:** 5 weeks (40 hours)

#### Participants will gain a detailed understanding of:

- The types of photovoltaic (PV) cells and modules
- The design of various PV Direct Current Source Circuits and their associated power electronics and switchgear
- Proper metering of solar production as well as monitoring, storage
- Data acquisition systems specific to the technology will be reviewed in depth.
- The emerging microgrids paradigm

**Course name:** Photovoltaic System Design and Installation –Advanced

*The advanced program will prepare you to take the exam of a certified installer.*

**Tuition:** \$695      **Course Length:** 5 weeks (40 hours)

#### Participants will learn skills expected for any qualified PV installer of any type of PV system:

- Working safely with photovoltaic systems
- Conducting a site assessment become a certified Solar Photovoltaic (PV) installer
- Selecting a system design
- Adapting the mechanical design
- Adapting the electrical design
- Installing subsystems and components at the site
- Performing a system checkout and inspection
- Maintaining and troubleshooting a system



Interested in the program?

Please visit us at: [www.csbu.us](http://www.csbu.us) | Call Cynthia at (408) 400-9008 | E-mail us at [info@csbu.us](mailto:info@csbu.us)