



**BARBADOS
COMMUNITY
COLLEGE**
MANY STUDIES • ONE COMMUNITY

Barbados Community College Renewable Energy Courses

Certificate in Photovoltaic Design & Practice

The Certificate in Photovoltaic Design & Practice is a professional training course that equips practitioners to design and safely install Grid-Tied and Battery Based Systems.

The programme requires 100 hours of online training and 30 hours of practical and 15 hours face to face tutorials. This course will be divided into two parts which will comprise of the two online training courses conducted by Solar Energy International (SEI):

- PVOL 101- Solar Electric Design and Installation: Grid-Direct
- PVOL 203 - PV System Fundamentals: Battery-Based

and a face-to-face practical component.

The SEI training courses will provide full preparation for the North American Board of Certified Energy Practitioners' Associate Exam which students are free to complete on their own. Visit www.solarenergy.org for more information.

Course Objectives

- Install different PV systems configurations such as Stand-alone, Grid-Direct and Multimode.
- Test the electrical parameters of different circuits within a PV System.
- Demonstrate how to install and test for compatibility with battery banks.
- Install various PV Systems accurately and safely.

Start Dates

PVOL 101 - Grid-Direct
February 22 - April 3, 2021

PVOL 203 - Battery-Based
April 4 - May 15, 2021

Entry Requirement

1. The first prerequisite is the free SEI course: Introduction to Renewable Energy: <https://www.solarenergy.org/courses/introduction-to-renewable-energy/>
2. Electrical and/or PV installation experience is highly desirable but not mandatory.

Location: Blended classes - Barbados Community College

Cost: \$3,500.00 (Deposit of \$1,750.0 to paid by 15 January 2021. The balance is due paid by 12 February, 2021.

Application forms and more information can be accessed at www.bcc.edu.bb. Completed application forms should be emailed to technology@bcc.edu.bb by 15 January 2021 or the Division of Technology, “Eyrie”, Howells Cross Road, St Michael, Barbados

For additional information please contact the Division of Technology at PBX: 246-426-2858 Ext. 5375 or 5377.

Certificate in PV Design and Installation (PVDI)

Description

The course will be offered on a part-time basis for 45 weeks. Each semester will comprise of 15 weeks, based on a calendar year. Classes will run from January to December inclusive of a Summer session.

Theory and practical based teaching will take place for three evenings per week during the period of training.

Minimum entry requirements will include:

1. Applicants MUST be at least 16 years old AND
2. CSEC General Proficiency Mathematics Grade 4 or equivalent OR
3. CSEC General Proficiency English Language Grade 4 or equivalent. OR
4. CVQ Level 2 in Electrical Installation OR
5. NVQ Level 2 in Photovoltaic Panel Installation Roofer/Fitter

Target Group:

1. Certified and uncertified electricians
2. Electrical professionals working in the renewable energy sector
3. Individuals with CAPE Electrical Engineering certification
4. Photovoltaic Panel Installation Roofer/Fitter Level 2 NVQ
5. Photovoltaic Installation Level
6. Persons with an interest in working in the Photovoltaic Installation industry

Location: Face-to-face classes - Barbados Community College

Cost: \$2,570.00

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