



Principles of Solar PV System Design and Installation

Get your credential as a NABCEP PV Associate

40 Training Credit Hours | \$695

Updated per the NABCEP PV Associate Job Task Analysis dated September 2017

"Photovoltaic Systems" textbook by James P. Dunlop included in the tuition

Our online course, Principles of Solar PV System Design & Installation, is the gateway to all areas of the fast-growing solar industry.

This is the first course on our solar training roadmap. Participants gain beginning to intermediate-level knowledge of solar PV system technologies, applications, design, installation and operations. The course has more than 57 videos and 220 exam questions.

This course is based on the North American Board of Certified Energy Practitioners (NABCEP) Photovoltaic Associate Program Learning Objectives as well as ImagineSolar learning objectives derived from years of experience as solar industry practitioners. After completing this course, participants can take NABCEP's Photovoltaic Associate Exam.

From NABCEP's website: "The NABCEP Associate Program is intended for many people who are currently working in, or seeking employment in, the renewable energy industry, including those who are: students in renewable energy programs, workers at an early stage in their renewable energy career, experienced professionals who have just begun offering renewable energy products or services, or those in renewable energy jobs for which there is no professional certification."

Who takes our course?

- Entrepreneurs, Technologists, and Investors
- Contractors and Builders
- Insurance and Real Estate Professionals
- Project Developers and Financiers
- Technical Sales & Marketing professionals
- Electricians and Inspectors
- Engineers and Architects
- Solar Company Employees
- Aspiring solar industry professionals



Course Topics

- PV Markets and Applications
- Working Safely with PV Systems
- Basics of Electricity and Photovoltaics
- Solar Energy Fundamentals & the Solar Resource
- Site Surveys and Preplanning
- PV System Components and Configurations
- PV Cells, Modules, and Arrays
- Batteries, Charge Controllers, and Inverters
- PV System Sizing Principles
- PV System Mechanical Design and Integration
- PV System Electrical Design and Integration
- Utility Interconnection
- Permitting and Inspection
- Commissioning, Performance Analysis, Maintenance, and Troubleshooting
- Sales and Economics
- PV Associate Practice Exam

Online Campus and Course Benefits

- 12 months all-access pass to the online courses
- Live instructor support as you take the courses
- Online LIVE streaming sessions
- 24-hour access to our online campus allows for flexible schedules
- Satisfies all the solar training requirements to take the NABCEP PV Associate Credential Exam

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