

# NABCEP<sup>®</sup>



Award # 1600934  
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# NABCEP's Mission

NABCEP's mission is to support, and work with, the renewable energy and energy efficiency industries, professionals, and stakeholders to develop and implement quality credentialing and certification programs for practitioners.

NABCEP's goal is to develop voluntary national credentialing programs that will:

- Promote renewable energy
- Provide value to practitioners
- Promote worker safety and skill
- Promote consumer confidence



# The History of NABCEP

- Founded in 2002 as a non-profit 501 (c)(6) corporation
- The first NABCEP Solar PV Installer certification exam (now called PV Installation Professional) was administered in 2003
- PV Technical Sales Professional was launched in 2011
- Entry Level Program administered from 2006-2016 when it was re-branded as the NABCEP Associate Program
- Company Accreditation Program started in 2012

## Changes in the Renewable Energy Industry

- Growth in the PV market:
  - Decreasing installation costs
  - PV's increasing competitiveness against other technologies
  - Almost 250,000 Americans work in solar
- Diversification in the PV market
  - Residential
  - Commercial & industrial
  - Utility-scale
- Growth and diversification led to specialization in the PV labor market
- NABCEP recognized the growing specialization within the industry



# Partnership with the U.S. Department of Energy SunShot Initiative



- The U.S. Department of Energy SunShot Initiative is a national effort to drive down the cost of solar electricity and support solar adoption.
- NABCEP worked with the SunShot Initiative to develop three new specialty certifications, which include:
  - PV Design Specialist certification
  - PV Installer Specialist certification
  - PV Commissioning & Maintenance Specialist certification

NABCEP's new certification programs will provide professional certification for solar maintenance technicians, project managers, system designers, and operations and management professionals.

# Eligibility Pathways to take the NABCEP PV Design Specialist

The PV Design Specialist (PVDS) certification is meant for experts at configuring the electrical design of a project. In assessing the project site, PVDS will be able to design both the mechanical and electrical design components with confidence, accuracy and safety.

- Design Specialist Eligibility requirements:
  - Completion of designs for installations equaling at least 12 Project Credits
  - Completion of 24 hours of advanced training

- Applicable Jobs/Careers

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• PV System Designer</li> <li>• Design Engineer</li> <li>• PV Electrical Designer</li> <li>• CAD Drafter/Design</li> <li>• Residential PV Designer</li> <li>• Solar Energy System Design Consultant</li> </ul> | <ul style="list-style-type: none"> <li>• Power Systems Engineer</li> <li>• Utility Interconnection Engineer</li> <li>• Structural Engineer</li> <li>• Engineering Technician</li> <li>• PV Design Manager</li> <li>• Business owner</li> </ul> |
|---|--|

# Eligibility Pathways to take the NABCEP PV Installer Specialist

The PV Installer Specialist (PVIS) certification is meant for individuals who are highly competent with all aspects of PV installation including DC and AC PV system conductors and grounding and bonding systems.

- Installer Specialist Eligibility requirements:
  - Completion of designs for installations equaling at least 6 Project Credits
  - Completion of 24 hours of advanced training

- Applicable Jobs/Careers

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• PV Installer</li> <li>• Solar Crew Chief</li> <li>• PV Installation Contractor</li> <li>• Solar PV Electrician</li> <li>• Commercial PV Installer</li> <li>• Master Electrician</li> <li>• Lead Installer</li> </ul> | <ul style="list-style-type: none"> <li>• PV Safety Officer</li> <li>• Installation Site Supervisor</li> <li>• PV Construction Supervisor</li> <li>• Structural Engineer</li> <li>• Solar PV Technician</li> <li>• Business owner</li> </ul> |
|---|---|

# Eligibility Pathways to take the NABCEP PV Commissioning & Maintenance Specialist

The PV Commissioning & Maintenance Specialist (PVCMS) certification combines the skill sets of operations, maintenance and commissioning tasks into one job specialty. Exceptional application of verification protocols and preventive and corrective maintenance operations are key to this Certification.

- Commissioning and Maintenance Specialist Eligibility requirements:
  - Completion of designs for installations equaling at least 12 Project Credits
  - Completion of 24 hours of advanced training

- Applicable Jobs/Careers

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Project Manager</li> <li>• PV Service Technician</li> <li>• PV Maintenance Technician</li> <li>• PV Fleet Manager</li> <li>• Solar Project Developer</li> <li>• Solar Field Technician</li> </ul> | <ul style="list-style-type: none"> <li>• Solar Site Assessor</li> <li>• Utility Interconnection Engineer</li> <li>• Interconnection Manager</li> <li>• Solar Measurement &amp; Verification Specialist</li> <li>• Project Director</li> </ul> |
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## Value of Certifications in the PV Labor Market

- Career Impact
  - Increased marketability
  - Validation of knowledge
  - Positive impact on reputation, credibility, & consumer confidence
- Hiring Practices
  - NABCEP Certifications help employers fill open positions
  - NABCEP certifications are a reliable predictor of success
  - NABCEP Certifications help prove that candidates have the knowledge and skills to get the job done



## Value of Certifications for the Renewable Energy Industry

- Benefits to the PV market:
  - Increased visibility to potential consumers
  - Improved public image
- Benefits to consumers:
  - Better quality assurance
  - Creates strong confidence and trust
- Benefits to renewable energy stakeholders:
  - Positive attitude toward the renewable energy industry
  - Increased QA throughout the industry



SEARCH

# NABCEP's Course Catalog

- Designed to be an effective tool for candidates to find the right training courses to earn a NABCEP certification
- NABCEP Certified Professionals can find courses to recertify
- Can be used to find relevant information to remain informed about changes in the renewable energy industry

<http://coursecatalog.nabcep.org/>

# NABCEP Course Catalog

Qualifying for **NABCEP Exams** requires training from **ACCREDITED** institutions; for **RECERTIFICATION & RENEWAL** credits, training can come from accredited or **NON-ACCREDITED** sources. NABCEP training requirements can be satisfied by choosing one or more courses from this Registered Course Catalog. Make sure to click on the course *title* to see how **CREDITS** can be applied to your application. Online, in-person, hybrid and conference forums are listed under the Format filter; all course formats listed are acceptable.

[CLICK HERE TO REGISTER TO TAKE A NABCEP EXAM](#)

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[Click Here for Professional Exam Courses](#)

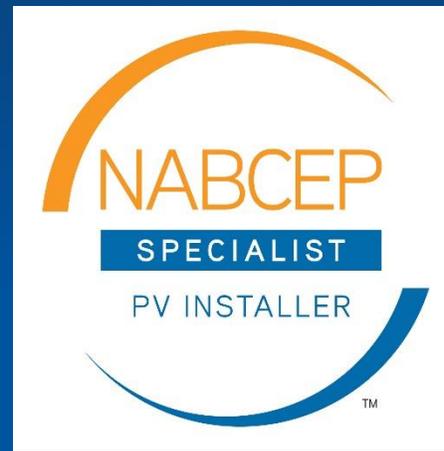
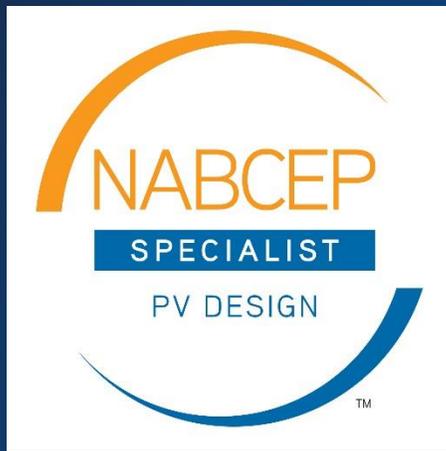


[Click Here for Recertification & Renewal CEUs](#)



[Click Here for Associate Training](#)





# Thank you!

If you have any questions, please call Shawn on his cell phone at . . .

# NABCEP<sup>®</sup>

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Raising Standards. Promoting Confidence.