

# RENEWABLE ENERGY TECHNOLOGIES DIPLOMA SERIES



**NC CLEAN ENERGY**  
TECHNOLOGY CENTER

## What is the Renewable Energy Technologies Diploma Series?

The award-winning Renewable Energy Technologies Diploma Series is a continuing education (CE) training program that provides:

- Nationally awarded training based in technical theory and hands-on activities
- Information on current policies, technologies, and best practices
- CE diploma from NC State University
- Ability to earn the NABCEP PV Associate Credential
- Pathways to additional NABCEP Professional certifications
- Industry qualified instructors



*NCCETC Training Instructor David Del Vecchio and a class of students with their newly constructed, grid-tied solar PV array after completing the Hands-On Solar PV Lab during of the **final** day of the FSPV course.*

## Choose from two pathways:

To earn this continuing education diploma, you must complete a minimum of 120 hours under the Diploma Series. In addition, the program can help meet the required continuing education for professionals in certain fields.

Currently, the NCCETC offers two main pathways to earn a Renewable Energy Technologies Diploma, with courses bundled to save you time and money so you can kickstart your career in clean energy!

Get your hands dirty with clean energy at one of our hands-on workshops in Raleigh! Both diploma pathways provide you with an opportunity to work with a live, grid-tied photovoltaic system. Strengthen your solar skills with hands-on experience.

### Solar Project Management \$3,896

This pathway includes three classes:

- FSPV: Fundamentals of Solar PV Design & Installation (40 hours)
- ASPV: Advanced Solar PV Design & Installation (40 hours)
- REPD: Renewable Energy Project Development (40 hours)

### Photovoltaic Technician \$3,496

This pathway includes four classes:

- FSPV: Fundamentals of Solar PV Design & Installation (40 hours)
- ASPV: Advanced Solar PV Design & Installation (40 hours)
- O&M: Operations & Maintenance of PV Systems (16 hours)
- Solar Storage Workshop (24 hours)

## Which Path is Right for Me?

Both the Solar Project Management and the Photovoltaic Technician packages qualify you to sit for the NABCEP PV Associate Exam and sets you up to pursue additional certifications. If your interests and strengths lie on the technical, hands-on, or engineering side, we recommend the Photovoltaic Technician Pathway. If you are interested in business and project development skills, look at the Solar Project Management Pathway. Need more help making a decision? Contact the Training Team at [cleanenergy@ncsu.edu](mailto:cleanenergy@ncsu.edu).

### Photovoltaic Technician

Are you ready to strengthen your technical skills? This education pathway is ideal for those who want to work on the technical side of the industry.

FSPV and ASPV provide you with fundamental and advanced technical solar PV knowledge. Learn how to install a grid-tied PV system and familiarize yourself with the National Electric Code.

Become confident using different types of equipment through O&M, where hands-on activities will guide you through the operations and maintenance of PV systems. Get an introduction to different types of battery storage in the Solar Storage Workshop.

Save \$700 on your registration for this pathway by bundling your courses!

Find the path for you:

[go.ncsu.edu/My-RETD-Pathway](https://go.ncsu.edu/My-RETD-Pathway)

Questions? Contact us at:

[cleanenergy@ncsu.edu](mailto:cleanenergy@ncsu.edu)

**NC STATE UNIVERSITY**

## What is NABCEP PV Associate Credential?

The Associate Credential recognizes individuals who have demonstrated knowledge of the fundamental principles of the application, design, installation, and operation of PV energy systems. It is also the first step to earning additional NABCEP certifications. Learn more at [nabcep.org/certifications/associate-program/](https://nabcep.org/certifications/associate-program/)

### Solar Project Management

Are you interested in the business and project development side of renewable energy? Then the Solar Project Management package is perfect for you!

In FSPV and ASPV, you'll learn everything you need to know about solar PV, from the fundamentals to advanced technical knowledge.

REPD focuses more on business, policy, finance and project development for renewables including solar PV, wind, bioenergy, and more.

You can save \$800 on your course registrations when you bundle your courses in this pathway!

