

FACULTY AND STAFF

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United Renewable Energy, LLC,

NABCEP Certified Solar PV Installer



COURSE LOCATION

Lanier Technical College
Cumming Campus
7745 Majors Road
Cumming Georgia 30041
770.781.6800

Directions from Ga. 400

Take the Ga. 141 exit, Exit 13
Turn South on Ga. 141
Turn Right onto Ronald Reagan Blvd.
Watch for college on your right



As set forth in its student catalog, Lanier Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, veteran status, or citizenship status (except in those special circumstances permitted or mandated by law).

Contact for Discrimination Issues: Title IX Coordinator: Lisa Wilson, Vice President Student Affairs, (770) 531-2558 Room 204L

Contact for Disability Related Accommodations: Section 504 Coordinator: Mallory Safley, Coordinator of Disability Services, (770) 531-6330, Room 2011 Building 200, Lanier Technical College, 2990 Landrum Education Drive, Oakwood, GA 3056

Lanier Technical College
Oakwood Campus
2990 Landrum Education Drive
Oakwood, GA 30566
Phone: 770-531-4500
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Photovoltaic Entry Level Installer Program



Lanier Technical College Cumming Campus

Registered Provider of the
NABCEP Entry Level Exam

Lanier Technical College Solar_PV Course

Lanier Technical College (LTC) in partnership with United Renewable Energy, LLC offers an intensive Photovoltaic (PV) Entry-Level installer program including a 40-hour course followed by a two-hour North American Board of Certified Energy Practitioners (NABCEP) issued exam. The course familiarizes students with PV systems and enables students to demonstrate knowledge, comprehension, and application of terms and concepts of PV system operations.

Because there is great demand for solar PV training in the Atlanta area, this course is offered at Lanier Technical College's campus in Cumming Georgia. So the course will be easily accessible, the course takes place over 8 weeks, with 14 three-hour sessions. The course is taught 6:00 PM – 9:15 PM Tuesdays and Thursdays with 15 minutes for breaks.

This program includes state-of-the-art classroom and hands-on instruction that accelerates and reinforces learning. Classes use lectures and multimedia exercises and software emphasizing student involvement and interaction. The program also emphasizes significant hands-on/lab experiences for real-world projects and skills practice.

Lanier Technical College is Georgia's first registered provider of the NABCEP Entry Level exam and provides the exam at the end of the course. Students who pass the exam are qualified as candidates for the NABCEP PV Entry Level Certificate of Knowledge credential.

COURSE CONTENT

The PV course includes the following learning objectives identified by NABCEP:

- PV Markets and Applications
- Safety Basics
- Electricity Basics
- Solar Energy Fundamentals
- PV Module Fundamentals
- System Components
- PV System Sizing
- PV System Electrical Design
- PV System Mechanical Design
- Performance Analysis and Troubleshooting

Course content also reflects the skills identified in the NABCEP task analysis for PV system installers.

- Working Safely with Photovoltaic Systems
- Conducting a Site Assessment
- 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

The course curriculum correlates knowledge and practice by relating learning objectives to job tasks, thereby supporting theory with real-world context.



COURSE PARTICIPANTS

Those who will benefit from this course are:

- students who have completed LTC's Solar Electrical Technician certificate program (or similar courses) and wish to continue their studies to prepare for PV jobs;
- workers, dislocated workers, and/or employers who have experience in electrical, engineering, contracting, architecture, or similar fields and wish to learn the basics of the PV industry;
- workers who are already in the PV industry and are seeking a NABCEP credential. Enrollees are diverse, and special accommodations are provided as needed.

A NABCEP-recommended textbook is provided for each student, and students are expected to do out-of-class reading and study.

Tuition, including textbook, is \$995. Students who are Georgia Solar Energy Association members who register will receive a 5% tuition discount. The NABCEP exam is an additional \$75.

Students can register at the Oakwood Campus, online, or by mail. Call Patti Kravitz at 770.531.4500 for more information.

