

## ANNOUNCING AN ATLANTA-AREA PV COURSE

Beginning in January, Lanier Technical College (LTC) will partner with United Renewable Energy, LLC to offer an intensive **Photovoltaic (PV) Entry-Level Certificate of Knowledge Program** including a 40-hour course followed by a two-hour North American Board of Certified Energy Practitioners (NABCEP) issued exam. The course will familiarize students with PV systems and enable 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 will be offered at a new Lanier Technical College site in Alpharetta, North Fulton County. So the course will be easily accessible, the course will take place over 8 weeks, with **14 three-hour sessions from January 7 to February 23**. The course will be taught 6:00 PM – 9:15 PM Tuesdays and Thursdays with 15 minutes for breaks.

This program will include state-of-the-art classroom and hands-on instruction that will accelerate and reinforce learning. Classes will use lectures and multimedia exercises and software emphasizing student involvement and interaction. The program will also emphasize 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 will provide the exam at the end of the course. Students who pass the exam will be qualified as candidates for the NABCEP PV Entry Level Certificate of Knowledge credential.

## COURSE CONTENT

The PV course will include 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 will also reflect 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 will be diverse, and special accommodations will be provided as needed.

Students can register at the Oakwood Campus, online, or by mail. The deadline for completed registration is January 4, 2010.

Students will need to provide their own safety glasses and electrical gloves. Two NABCEP-recommended textbooks will be provided for each student, and students will be expected to do out-of-class reading and study.

Tuition, including textbooks, is **\$995**. The first twenty Georgia Solar Energy Association members who register will receive a 5% tuition discount. The NABCEP exam will be an additional \$75.

\*For additional enrollment information, contact Royce Glenn at (770) 531-6358 or [rglenn@laniertech.edu](mailto:rglenn@laniertech.edu)



## FACULTY AND STAFF

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Director of Operations  
United Renewable Energy, LLC,  
NABCEP Certified Solar PV Installer



## COURSE SCHEDULE

Winter 2010 – Jan. 7 – Feb. 23  
Spring 2010 – Apr. 8 – May 25  
Summer 2010 – Jul. 8 – Aug. 24  
Fall 2010 – Oct. 7 – Nov. 23

Tuesdays and Thursdays  
6:00 PM – 9:15 PM

## COURSE LOCATION

North Fulton Solar Training Center  
Lanier Technical College  
86 School Drive  
Alpharetta, GA 30009

### Directions from GA-400 N

- Take Haynes Bridge Rd, Exit 9, Toward Alpharetta - 0.4 Mi
- Turn Left onto Haynes Bridge Road - 1.6 Mi
- Turn Left onto Academy Street - 0.1 Mi
- Academy St Becomes Milton Avenue - 0.0 Mi
- Turn Right onto Old Canton Street - 0.1 Mi
- Turn Slight Left onto School Drive - 0.0 Mi
- 86 School Drive Is on the Left.



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 201I Building 200, Lanier Technical College, 2990 Landrum Education Drive, Oakwood, GA 3056

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## Photovoltaic Entry Level Certificate of Knowledge Program



**Lanier Technical College**  
**North Fulton Solar Training Center**  
*Registered Provider of the*  
*NABCEP Entry Level Exam*