



G | PRO

Electrical Systems

“GPRO encourages electricians to broaden their opportunities in the electrical trade and think of themselves as integral to the success of green building.”

- Michael Yee, IBEW
Local 3 Electricians,
New York City

What are the advantages and disadvantages of a distributed energy system? How do you calculate the payback period for a solar photovoltaic system?

Over 70% of the electricity generated in the US is used in buildings - not only for powering our lights and outlets, but controlling entire plumbing and mechanical systems.

GPRO *Electrical Systems (EL)* explains the essential role electricians play on sustainable construction projects. Taught by industry experts using real-life classroom exercises, GPRO *Electrical Systems* gives experienced electricians the critical tools to transition from conventional to sustainable construction practices.

GPRO EL is ideal for a range of professionals in the electrical industry including subcontractors, installers, and technicians.

GPRO trained electricians and electrical contractors can qualify for a LEED point for New Construction projects under LEED Pilot Credit 81. See gpro.org/faqs for more information.

This 12-hour certificate course can be scheduled to meet the needs of your organization. Certificate exam is included.

WHAT STUDENTS LEARN

Part 1: Fundamentals of Building Green

- Economic and health benefits of green building
- Causes and impacts of a changing climate
- Transitioning to sustainable construction practices
- Complying with green codes and standards
- Understanding LEED
- Overview of green building strategies
- The importance of commissioning

Part 2: Electrical Systems

- Important sustainability issues for electricians
- Economic opportunities for the electrical industry
- The role of electrical systems within the “whole-building” approach
- The key differences between green and conventional electrical products and work practices
- Improving efficiencies in lighting and HVAC
- New technologies for distributed generation
- Using benchmarking and other tools to maintain building performance
- The electrician’s role in the building commissioning process
- Retrofitting existing buildings with energy-efficient technologies
- Green bidding issues for electricians

CONTINUING EDUCATION CREDITS

GPRO *Electrical Systems* qualifies for 10 AIA and GBCI CE Credits. See www.gpro.org/faqs for details.

FOR MORE INFORMATION, PLEASE CONTACT

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