Training for the New Green Economy

STONY BROOK RESEARCH AND DEVELOPMENT PARK

By identifying new credentialing venues, launching new certification programs, conducting focus groups and engaging statewide agencies and partners, AETI is offering new and innovative programs in energy and sustainability ranging from green building, energy efficiency power and smart power to green project management skills. As your partner, AETI works directly with you to create custom training solutions that can be delivered on your schedule at the location of your choice. Or, you can take advantage of open enrollment courses. Here is a partial listing of our current courses:

### LEED
**Partner:** United States Green Building Council (USGBC-LI)

Leadership in Energy and Environmental Design (LEED) Green Building Rating System, developed by the U.S. Green Building Council (USGBC), provides a suite of standards for environmentally sustainable construction. LEED Certification is the nationally accepted benchmark for the design, construction and operation of high performance green buildings. LEED accreditation distinguishes building professionals with the knowledge and skills to successfully steward the LEED certification process. LEED Accredited Professionals and LEED Green Associates have demonstrated a thorough understanding of green building practices and principles and the LEED Rating System.

- LEED Green Associate Study Group
- LEED AP Study Group
- New and emerging topics in LEED

### Residential Green Training
**Partners:** NABE, LRI, NYSBA

The New York State Builders Association Research & Education Foundation (NYSBA REF) presents a comprehensive program addressing New York State Energy code changes. Learn how to incorporate green building principles and educate the home owner on green strategies.
- Certified Green Professional
- New York Residential Builder Energy Code Training

### Green Project Management
**Partners:** Total Systems Education and PMI

Within the past few years, much attention has been given to the importance of sustainable. The International Organization for Standardization established ISO 14000 to address operational standards that relate to the environment. The Green Project management approach enables project teams to fuse best practices from both ISO 14000 and PMI PMBOK standards in a very practical way.

### AEE Certified Energy Manager (CEM)
**Partners:** Association of Energy Managers (AEE), NYSSERA

This special 5-day seminar provides an in-depth, comprehensive learning and problem-solving forum for those who want a broader understanding of the latest energy cost reduction techniques and strategies. The course serves as a preparatory vehicle for the examination required to achieve AEE’s Certified Energy Manager (CEM) credential. The program begins by examining the basic fundamentals within all key areas of energy management. From there, the instructors systematically move to “working level” knowledge of the specific principles and techniques needed to really get the job done.

### LEED Gold 2010
**Partners:** NABE, LRI, NYSBA

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- Certified Green Professional
- New York Residential Builder Energy Code Training

### AEE Certified Energy Auditor (CEA)
**Partners:** Association of Energy Managers (AEE), NYSSERA

This focused, fast-paced 3-day instructional program is designed both to expand your knowledge in the energy auditing field, and to serve as a preparatory vehicle for the examination required to achieve AEE’s Certified Energy Auditor (CEA) credential. You’ll gain the fundamental knowledge needed to evaluate how energy is being used in a facility, and to identify where consumption can be reduced, covering useful calculation methods and practical examples. The instructor will emphasize effective auditing basics while putting them in the context of the “big picture” and the bottom line.

### Energy Auditing BPI Certifications
**Partners:** BPI, Conservation Services Group (CSG)

The Building Performance Institute (BPI) is the nation’s premier building performance credentialing, quality assurance, and national standards setting organization. BPI supports the development of a highly professional building performance industry through individual and organizational credentialing and a rigorous quality assurance program.
- BPI Building Analyst
- BPI Envelope Specialist
- BPI Heating Professional
- BPI Accreditation for Business

### Green Jobs Study
**Partner:** NYS Department of Labor Federal Study

The AETI was one of four Research Partners in a federally funded US Department of Labor study to identify new and emerging green jobs and their skill and educational requirements. Partners from universities, utilities, labor and business associations surveyed over 20,000 firms. This report covers supply and demand data supporting New York State’s commitment to growing the clean energy sector.

### Additional Programs Include:
- Smart Grid and Consumer Awareness Workshops
- GPro and LEED Workshops
- Building Operator Certification
- Operational Excellence: Industrial/Commercial Energy Efficiency

New programs are being developed all the time. If you don’t see what you are looking for please call.

Complete information, registration and schedules available at: [www.stonybrook.edu/cet](http://www.stonybrook.edu/cet) or email: sbucet@stonybrook.edu or call: 631.216.7516

### Partners
- [Advanced Energy Training Institute](http://www.advancedenergytraining.com)
- [LiPA](http://www.lipa.ny.gov)
- [New York Power Authority](http://www.nypa.gov)
- [Project Management Institute](http://www.pmi.org)
- [Advanced Energy Institute](http://www.advancedenergyinstitute.org)
- [BPI](http://www.buildingperformanceinstitute.org)
- [Long Island Builders Institute](http://www.libi.com)
- [BPI](http://www.buildingperformanceinstitute.org)
- [Total Systems Education, LTD.](http://www.totalsystemsted.com)
- [Stony Brook University](http://www.stonybrook.edu)
Stony Brook Corporate Education and Training (CET), brings its expertise in corporate industry-driven education to be the training arm of the state-wide Advanced Energy Research and Technology Center. CET is launching new and innovative programs in energy and sustainability ranging from business management skills to green building, energy efficiency, power and smart power.

The Advanced Energy Training Institute (AETI), part of Stony Brook University Corporate Education and Training (CET), is the training division of the Advanced Energy Research and Technology Center. Working with core partners and leaders in the clean energy economy, AETI is establishing a platform for the skills, knowledge and credentials necessary in this evolving area.

“Today’s job market demands the most exceptional, well-qualified professionals, with the ability to lead and succeed. You can get the edge to stand out with Stony Brook University’s clean energy technology programs and certifications.”

— Patricia Malone
Executive Director, Advanced Energy Training Institute