

GPRO: Fundamentals of Building Green + Construction Management

What is GPRO?

Urban Green Council developed GPRO: Green Professional Building Skills Training Program in partnership with the Building Construction Trades Council (BCTC), the Building Trades Employers' Association (BTEA), and the Consortium for Worker Education (CWE). Produced with more than 100 volunteers from local unions, contractors, and design professionals, along with the City University of New York (CUNY) and the USGBC New York Upstate Chapter, this comprehensive training program is designed to respond to the building industry's unique needs. It is a series of courses and coordinated certificate exams that teach the people who build, renovate and maintain buildings the principles of sustainability combined with trade-specific green construction knowledge. Skilled workers will be poised to work in accordance with new regulations and to meet the expectations of owners and tenants who want healthier, environmentally sustainable, and energy-efficient homes and offices.

FUNDAMENTALS OF BUILDING GREEN: 4 HOURS

PART A: SUSTAINABILITY

1. Why Green Building?
2. Climate Change: Causes & Impacts
3. Our Natural Resources: Sustainability Challenges
4. The History of Environmental Protection
5. Continuing the Road to Sustainability

PART B: GREEN BUILDING

6. How Do We Know It's Green?
7. Codes and Standards: Ensuring Performance
8. Applying Sustainability: Using LEED Credits

PART C: YOUR ROLE IN BUILDING GREEN

9. Construction Activity Pollution Prevention
10. Construction Waste Management
11. Construction Indoor Air Quality
12. Commissioning

CONSTRUCTION MANAGEMENT: 6 HOURS

- 1: Construction Management and Green Building
- 2: Pre-Con Services: Sustainability Planning in the Design Phase
- 3: Proposal for Construction Services: Addressing Sustainability
- 4: Trade Bid & Award: Incorporating Sustainability Strategies
- 5: Mobilization
- 6: Training Your Trades on Project Goals and Requirements
- 7: Shop Drawings and Submittals
- 8: Rough In, Finishes and Fit-out
- 9: Commissioning and Close-Out
- 10: Measurement & Verification

Who should take this course?

The GPRO training program is designed for experienced building professionals who seek to integrate green practices into their core knowledge of their trade. As such, the program materials and exam span the "green gap" between standard trade skills and the new awareness and skills required to successfully implement green building.

To successfully participate in the class and pass the certificate exam, individuals should have construction experience such as: CM or GC Site Superintendent, CM or GC Project Manager, CM or GC Executive Project Manager, CM or GC Project Engineer/Clerk, CM or GC Sustainability Manager, experienced tradesperson with five years of experience, tradesperson with site supervision or management responsibility, facilities manager or building owner, owner's representative or project manager, project architect, professional engineer MEP, or commissioning agent.