



Teach Every Adult; Serve Every Business



Energy Efficiency through Operator Training





What is Building Operator Certification (BOC)?

- ❖ BOC is a nationally recognized, competency-based training and certification program for facilities managers, building engineers and maintenance technicians
- ❖ BOC trains facilities personnel to understand how building systems work together, and how to bring them to their most efficient level of operation
- ❖ BOC achieves measurable energy savings by training individuals who are directly responsible for day-to-day building operations





Eligibility Requirements

- ✓ Two or more years experience in building operation and maintenance
- ✓ Eligibility for certification is based on work experience and education, AND completion of BOC classes, exams and on-the-job projects.



Level I: Building Systems Maintenance

BOC 101 - Building Systems Overview

BOC 102 - Energy Conservation Techniques

BOC 103 - HVAC Systems & Controls

BOC 104 - Efficient Lighting Fundamentals

BOC 105 - O&M Practices for Sustainable Buildings

BOC 106 - Indoor Environmental Quality

BOC 107 - Facility Electrical Systems



Level II: Equipment Troubleshooting

BOC 201 - Preventive Maintenance & Troubleshooting

BOC 202 - Advanced Electrical Diagnostics

BOC 203 - HVAC Troubleshooting & Maintenance

BOC 204 - HVAC Controls & Optimization

BOC 212 - Water Efficiency for Building Operators

BOC 214 - Introduction to Building Commissioning



Credential



GTC's BOC Statistics

Level I participants: 186

Level II participants: 38

Upcoming BOC Series:

- Level I – January 19 – May 17, 2012
- Level II – January 25 – May 9, 2012

National BOC website:

<http://theboc.info/>





National Fire Protection Association
The authority on fire, electrical, and building safety

Electrical Safety – NFPA 70E

October 19 – 8am-4pm

- ❖ Arc Flash Prevention – NFPA70E
- ❖ Standard developed for OSHA
- ❖ Addresses safety gaps and increases electrical worker protection
- ❖ Eight hour (one day) training course and exam

