



Empower Your Workforce: Building Operator Certification®



The Building Operator Certification (BOC) is the nation's leading competency-based training and credentialing program for building engineers and maintenance personnel.

BOC teaches building operators to find practical, low-cost and no-cost efficiency solutions by working with existing systems. Independent research shows that BOC operators consistently **save energy and money** in their facilities, **up to \$20,000 per year**, thanks to energy conservation projects, air quality improvements and other initiatives. Plus, the savings are instant and continuous.

The BOC Level I course series provides an overview of the building envelope and reviews the design, operation and maintenance of energy-using systems and equipment.

"BOC training is excellent and every maintenance person out there should get this training to help them understand the changes they can make to help save energy and money for their companies and themselves."

Supervisor, Philadelphia Dept. of Public Property

Register Now

BOC Level I Course Series

Live, Instructor-led Virtual Classroom

Start Date

Tuesday, January 26, 2021, 9am-Noon

Series duration is 12 weeks.

Registration Deadline

Wednesday, January 13, 2021

Course Fees

\$1,895 per person*

75% discount* available for the first 10 registrants to use scholarship code **PABOC2021** at checkout.

GSA Preferred Pricing

(federal employees and military veterans only)

\$1,535 for the first person

\$1,335 for the second person

*Limitations apply. See reverse for details.

Live, Instructor-Led Virtual Classroom

This training series is delivered in real-time by a highly trained instructor using the web conferencing platform, Zoom. Trainees participate from the convenience and safety of their home or office using only a computer connected to the Internet; a web camera and microphone are strongly encouraged. All course manuals, workbooks, and supplemental resources are mailed to trainees prior to the first class.

Classes occur on a defined schedule, each lasting approximately three hours. Students take part in a mix of instructor-led presentations, group discussions and exercises, quiz-style knowledge checks, and more for an interactive learning experience.

Eligibility for Certification

It is highly recommended that program participants have a high school diploma or GED, and:

- Two-plus years of experience working in operations and maintenance of a commercial or institutional facility, OR
- A minimum of one year of experience working in operations and maintenance of a commercial or institutional facility AND one year of technical college level education in commercial or industrial facilities operations and maintenance, OR
- Two-plus years of experience in energy management of commercial, institutional or industrial facilities with a focus on operations and maintenance.

Class Schedule

Series duration is 12 weeks of live, instructor-led online classes. Individual classes will occur on **Tuesdays and Thursdays from 9am to noon**.

Four of the weeks are focused on applying concepts learned in class through hands-on exercises.

Class 1: January 26 and 28

Optimized Operations and Maintenance (O&M)
Resources for O&M Best Practices

Class 2: February 2 and 4

The Building Envelope
The Challenge to Occupant Comfort

Class 3: February 9 and 11

Energy Fundamentals and Benchmarking
Building Data Analysis

Class 4: February 16 and 18

Efficient Lighting Practices
Lighting Improvement Strategies

Class 5: March 2 and 4

Fundamentals of HVAC Controls
Computerized HVAC Control Systems

Class 6: March 16 and 18

Fundamentals of Indoor Environmental Quality
Ventilation

Class 7: March 30 and April 1

Opportunities for Low-Cost Operational
Improvement

Class 8: April 13 and 15

O&M for Sustainable Buildings
Energy Conservation

*** Scholarships are limited** to the first 10 registrants to use the code PABOC2021 at checkout who are employed by a Pennsylvania K-12 school district, local government, community college/university, or state agency (no outside contracted employees) and limited to 2 registrants per employer.

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Penn College is the Mid-Atlantic administrator of the Building Operator Certification program