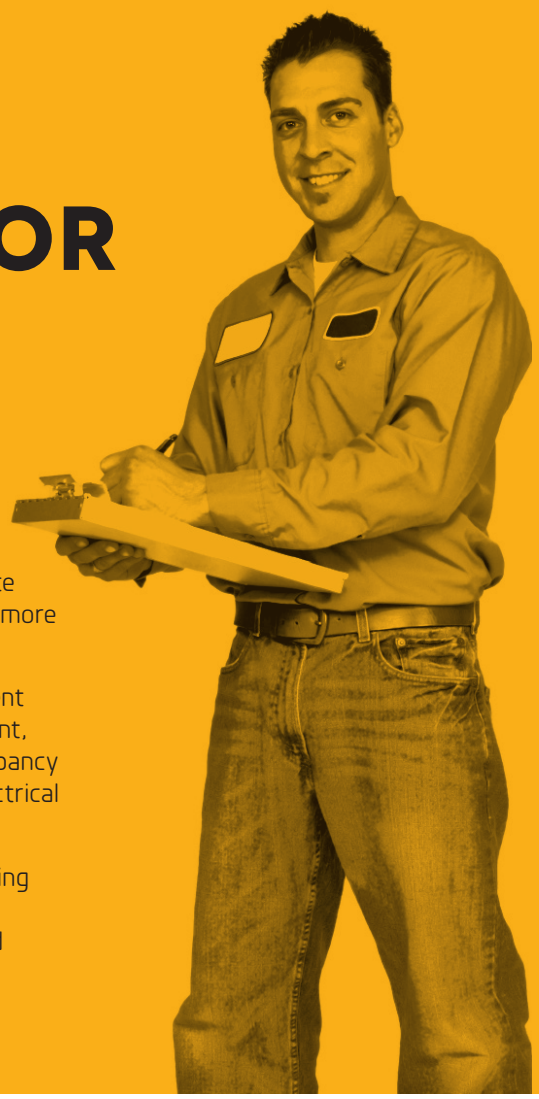
BUILDING OPERATOR CERTIFICATION

THE ESSENTIAL CREDENTIAL



Building Operator Certification helps building engineers, maintenance supervisors and others advance their skills in the energy efficient operation of commercial buildings.

With a combination of classroom and hands-on training, BOC delivers immediate benefits for owners, operators and occupants. As a result, BOC graduates are more likely to be hired, promoted and valued at their jobs.

Enroll now to gain essential skills and a professional credential in energy efficient building maintenance. BOC training includes documentation of building equipment, systems and controls; benchmarking the building's performance; updating occupancy profiles; reviewing HVAC systems and operation; and mapping the facility's electrical distribution system.

BOC Level I training is for those with two or more years of experience in building operation and maintenance, who wish to broaden their knowledge of the total building system. **BOC Level II** is primarily for operators who have been certified at BOC Level I and who want more advanced training.

REGISTER TODAY AT BOCCENTRAL.ORG

"This type of learning is the **key to success** *in building operational work."*

–JOHN
Grandville, MI

CERTIFICATION

To earn a **Training Certificate of Completion**, candidates must meet the prerequisites and obtain all of the following:

- Satisfactory completion of the seven classes in Level I and/or six classes in Level II
- A passing grade of 70% or higher on class tests
- Completion of on-site facility projects assigned for each class

To earn the **Certified Building Operator credential**, candidates must pass the national exam at a third party testing center. Students who choose not to sit for the national exam will receive a Training Certificate of Completion but can choose to become certified by passing the exam at any time.

WHAT OUR GRADUATES SAY

"I was really impressed by the overall knowledge of the instructors and the wide range of topics that the program covered."

"Since participating in the Building Operator Certification program...our high school alone has been saving around $10,000 a year."

FEES

Registration fee varies from state to state. Visit www.BOCCentral.org for tuition information in your area.

Tuition rebates may be available in your area.

ADMINISTRATORS

The Midwest Energy Efficiency Alliance (MEEA) is a collaborative network focused on advancing energy efficiency in the Midwest for sustainable economic development and environmental stewardship. Visit www.mwalliance.org.

The Northwest Energy Efficiency Council (NEEC), a non-profit business association of the energy efficiency industry, developed BOC with support from the Northwest Energy Efficiency Alliance (NEEA) and holds the copyright for the BOC trademark and products.

BUILDING SYSTEMS MAINTENANCE

BOC Level I provides an overview of the building shell and reviews the design and maintenance of energy-using systems and equipment. The series is composed of six core courses and one supplemental course.

PREREQUISITES

It is highly recommended applicants for certification have a high school diploma or GED, work in a facility that is 50,000 ft^2 or larger and one of the following:

- 2+ years experience working in operations or maintenance of a commercial or institutional facility
- 1+ years experience working in operations or maintenance of a commercial or institutional facility and 1 year of technical college-level education in facilities operations
- 2+ years of experience in energy management of commercial, institutional or industrial facilities with a focus on operations and maintenance

CORE COURSES

BOC 1001 / Energy Efficient Operation of Building HVAC Systems

BOC 1002 / Measuring and Benchmarking Energy Performance

BOC 1003 / Efficient Lighting Fundamentals

BOC 1004 / HVAC Controls Fundamentals

BOC 1005 / Indoor Environmental Quality

BOC 1006 / Common Opportunities for Low-Cost Operational Improvements

SUPPLEMENTAL COURSES (1 offered per series)

BOC 1007 / Facility Electrical Systems

BOC 1008 / Operation & Maintenance Practices for Sustainable Buildings

BOC 1009 / Building Scoping for Operational Improvement

BOC 1010 / Energy Efficiency Ventilation Strategies and High Performance Heating and Cooling Equipment

BOC 1011 / Energy Efficiency Ventilation Strategies and Energy Savings through Energy Recovery

BOC 1012 / High Performance Heating and Cooling Equipment and Energy Savings through Energy Recovery

SIGN UP TODAY

Register online at www.boccentral.org

BUILDING OPERATOR CERTIFICATION

EQUIPMENT MAINTENANCE & TROUBLESHOOTING

BOC Level II provides an overview of preventive maintenance, equipment troubleshooting and diagnostic strategies for energy-using systems and equipment. The series is composed of four core courses and two supplemental courses.

PREREQUISITES

It is highly recommended applicants for certification have a high school diploma or GED, work in a facility that is 50,000 ft^2 or larger and one of the following:

- BOC Level I certification and 4+ years experience
- A union membership at journey level and 3+ years experience
- A technical degree and 3+ years experience working in operations and maintenance of a commercial or institutional facility

CORE COURSES

BOC 201 / Preventive Maintenance & Troubleshooting

BOC 202 / Advanced Electrical Diagnostics

BOC 203 / Advanced HVAC Maintenance & Troubleshooting

BOC 204 / Advanced HVAC Controls & Optimization

SUPPLEMENTAL COURSES (2 offered per series)

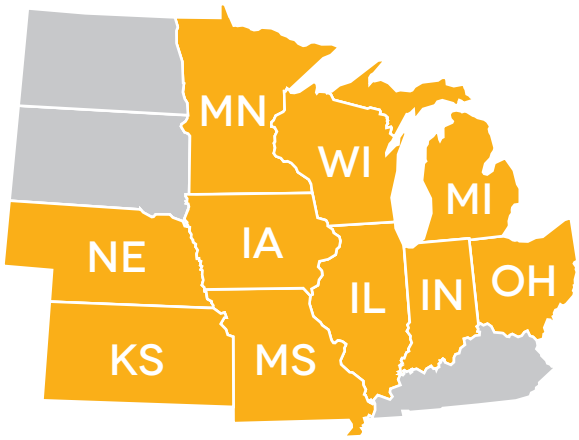
BOC 210 / Advanced Indoor Air Quality

BOC 211 / Motors in Facilities

BOC 212 / Water Efficiency for Building Operators

BOC 213 / Mastering Electric Control Circuits

BOC 214 / Introduction to Building Commissioning

BOC 215 / Electric Motor Management

BOC 216 / Enhanced Automation & Demand Reduction