

FALL 2017

Building Operator Certification

BOC® Level I

Building Operator Certification (BOC®) is an ENERGY STAR® award-winning training and certification program focusing on energy efficiency, prolonging equipment life and delivering cost savings through preventive maintenance.

BOC® is a professional development program created by the Northwest Energy Efficiency Council (NEEC).

The program is delivered by the University of Hawai'i Mānoa Outreach College in partnership with Hawai'i Energy.

All classes will be held at the
**University of Hawai'i at Mānoa
Krauss Hall, Room 012
8:00 am - 4:00 pm**

Sweater and brown bag lunch suggested.

Sep 14	Thurs	BOC 1001 part 1
Sep 21	Thurs	BOC 1001 part 2
Oct 12	Thurs	BOC 1003
Oct 19	Thurs	BOC 1002
Nov 2	Thurs	BOC 1004
Nov 16	Thurs	BOC 1005
Nov 30	Thurs	BOC 1006
Dec 14	Thurs	BOC 1009



WHO SHOULD ATTEND

- Building operators with at least two years of experience
- Facility Managers and Support Staff
- Building Operators and Maintenance Workers
- Chief/Facility Engineers and Support Staff
- Mechanical and Electrical Contractors who support chiller plants
- HVAC technicians, electricians, operations supervisors, operations technicians

COST

- \$200 for individuals who qualify for Hawai'i Energy's tuition subsidy (see application form for details) – or –
- \$1,600 full tuition (individual sessions \$200/day)

HOW TO APPLY

1. Download the Hawai'i Energy Application form at www.outreach.hawaii.edu/BOC or email profprog@hawaii.edu
2. Complete the application by **AUGUST 10, 2017**
3. Make payment by **AUGUST 17, 2017**

For registration assistance please call **808.956.9249**

SEE BACK FOR COURSE OUTLINE.



**THE ESSENTIAL
CREDENTIAL**
PROFESSIONAL TRAINING AND CERTIFICATION IN
ENERGY EFFICIENCY SINCE 1996

The University of Hawai'i is an Equal Opportunity/Affirmative Action Institution.

Building Operator Certification BOC® Level I, *continued*

COURSE OUTLINE

BOC 1001: Energy-Efficient Operation of Building HVAC Systems

Instructor: Rory Reiley, Chief Engineer, Topa

BOC 1002: Measuring and Benchmarking Energy Performance

Instructor: Michael J. Chang, Customer Solutions Developer, HECO

BOC 1003: Efficient Lighting Fundamentals

Instructor: Stan Walerczyk, Principal of Lighting Wizards

BOC 1004: HVAC Controls Fundamentals

Instructor: R.J. Ritter, Controls Manager, Trane

BOC 1005: Indoor Environmental Quality

Instructor: Kenton Beal, Vice President, ENPRO

BOC 1006: Low-Cost Operational Improvements

Instructor: Rory Reiley, Chief Engineer, Topa

BOC 1009: Building Scoping for Operational Improvement

Instructor: Michael J. Chang, Customer Solutions Developer, HECO

To earn Your BOC Level I Training Certificate of Completion, you must attend seven BOC classes, complete five in-facility project assignments, meet eligibility and submit a Training Certificate of Completion Application.

BOC certification exam optional: Participants who wish to earn the additional Certification credential and become a Certified Building Operator (CBO) must pass a comprehensive exam. The exam takes place after the course is completed and exam applications have been reviewed. Participants will be notified when they can take the exam after course completion.

QUESTIONS

Contact Alice Li Hagan at **808.956.2037**



Testimonial:

“Thank you for the opportunity to take this class. I have learned an abundance about the position I have held for 3 years that I did not previously know. The teachers had knowledge they were eager to share. Because of this program I was able to present an action plan for energy savings to my superiors that I believe will pass. I will recommend this class to all persons that are in the energy saving/maintenance business.”

Travis O'Brien, Facilities Supervisor,
Trump Hotel Waikiki



Hawai'i Energy helps educate island families and businesses about the many, lasting benefits of energy efficiency and conservation. Hawai'i Energy encourages and rewards smart energy choices which will allow our state to reach 100% clean energy faster and cheaper.



To date, we have collectively saved the people of Hawai'i more than a billion dollars off their energy bills. Let Hawai'i Energy be your trusted energy advisor to help save you money and protect what makes Hawai'i so special.