

HAP for LEED® Certification Training



Sponsored by:
Carrier Hawaii

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Where:

Carrier Hawaii

94-522 Kau Street

Waipahu HI 96797

Directions:

[Click here](#) for a map of the location from Google™ Maps

HAP for LEED® Certification Training — [CLICK HERE TO REGISTER](#)

Date: 18 March 2010

This intense 1 day class presented by Carrier Software Systems focuses on the **LEED® EA credit 1**, Optimized Energy Performance. Advanced HAP techniques are applied to Whole Building Energy Simulation and ASHRAE/IESNA Standard 90.1-2004 and 2007 requirements. Training covers in-depth, hands-on application of baseline and proposed building energy analysis and includes development of creative HVAC system alternatives for more LEED-NC/LEED-Building Design & Construction points.

Prerequisite: Prior knowledge of HAP load estimating and energy simulation is helpful but not mandatory, LEED-NC EAc1 and ASHRAE 90.1 Appendix G familiarity is recommended.

Schedule: 7:30 a.m. to 4:00 p.m.

Course No: SSN0005

Tuition: \$300.00 US

Additional Classes Available

HAP Basic Training — [CLICK HERE TO REGISTER](#)

Date: 16 March 2010

This is a hands-on session covering the basic operation of the Hourly Analysis Program (HAP). Training covers cooling and heating design loads with an introduction to energy analysis. The user learns the fundamentals of weather data, scheduling of loads, inputting building parameters, and modeling of the various air systems and plants.

Schedule: 7:30 a.m. to 4:00 p.m.

Course No: SSN0001

Tuition: \$300.00 US

HAP Advanced Training — [CLICK HERE TO REGISTER](#)

Date: 17 March 2010

HAP Advanced Training focuses on building energy simulation. Training covers in-depth, hands-on operation of energy analysis including simulation weather, energy profiles, air systems, plant performance, utility rate modeling, and includes analysis of multiple building scenarios.

Schedule: 7:30 a.m. to 4:00 p.m.

Course No: SSN0002

Tuition: \$300.00 US

Engineering Economic Analysis — [CLICK HERE TO REGISTER](#)

Date: 19 March 2010

This ½-day workshop-based class covers the basic operation of the E20-II Engineering Economic Analysis program. Comparison of lifecycle cost economics for alternative commercial building HVAC system designs will be covered. Attendees will learn how to apply the program to four economic analysis scenarios – (1) simple payback analysis, (2) simple cash flow analysis, (3) private sector lifecycle cost analysis, and (4) public sector lifecycle cost analysis.

Schedule: 7:30 a.m. to 11:30 p.m.

Course No: SSN0004

Tuition: \$150.00 US

Block Load Basic Training — [CLICK HERE TO REGISTER](#)

Date: 19 March 2010

This ½-day hands-on session covers the basic operation of the Block Load Program. Each student will learn how to use the program by completing several simple project exercises including definition and input of design weather data, construction materials and HVAC system parameters, interpretation of load calculation reports, and how to determine HVAC equipment size.

Schedule: 12:00 p.m. to 4:00 p.m.

Course No: SSN0003

Tuition: \$150.00 US

What's Provided?

Students are expected to bring their own laptop computers. Please ensure HAP v4.4 is loaded on your laptop before the class begins. For students who do not currently have HAP installed, a 90-day demo is available if needed. If unable to bring a laptop to training, please contact Software Systems. Lunch, student workbook and CD are included as well.

Discount Pricing

Multiple Student—Register two or more students from the same company, on the same registration form, and each will receive a discount of 10% off regular tuition.

Early Registration—Register by 12 February 2010 and receive a 15% discount.

Registration is required. Please click the appropriate link to register for the desired class.



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