

The Sustainable Building Advisor Certificate Program

Co-sponsored by Mt. Hood Community College Environmental Health & Safety Program
Cascadia Region Green Building Council & Green Building Services

Program Description

The Sustainable Building Advisor Certificate Program is a nine-month, specialized training program, designed to enable graduates to advise employers or clients on strategies and tools for implementing sustainable building.

Who Should Participate

- Architects and Engineers
- Tenant and Developer Representatives
- Project Managers
- Other Building Industry Professionals
- Resource Conservation Specialists

Program Objectives

By the end of this training program, participants will be able to:

- Identify and discuss the key practices of sustainable building.
- Establish competencies in applying LEED™, Built Green™ and other relevant criteria or established guidelines.
- Analyze the costs and benefits of incorporating sustainable building measures.
- Take advantage of financial incentives and technical assistance offered by governments, utilities and non-profit organizations.

- Work with architects, designers, builders, building operators, and utilities to improve a building's performance.
- Establish a sustainable design goal for project development.
- Assist in the education and training of staff in sustainable building.

Benefits from Participating

- Save long term costs for building owners, operators and tenants.
- Improve the environmental, social and economic viability of the region.
- Reduce environmental impacts.
- Decrease owner liability.
- Improve your skills in a rapidly growing field.

Unit Descriptions

- Unit 1: **Fundamentals of Sustainable Building and Design**
- Unit 2: **The Importance of Place: Site, Transportation and Land Use Issues**
- Unit 3: **Energy Efficient Design**
- Unit 4: **"Green" Material Selection**
- Unit 5: **Indoor Environmental Quality & Health:**
- Unit 6: **Water and Site Design**
- Unit 7: **Sustainable Job Site Operations**
- Unit 8: **Building Operations and Maintenance**
- Unit 9: **Presentation of Team Projects**

A LEARNING EXPERIENCE DESIGNED FOR PROFESSIONALS

Expert Instructors

Experts in their fields will present the proven and the latest in sustainable design, construction and operation techniques with an emphasis on both practical applications and underlying theories.

Interactive Format

Interactive class discussion and rigorous inquiry will be integrated throughout the course. Participation will be encouraged and expected to enhance a cooperative, fun learning experience. Hands-on Exercises: Each unit will include an in-depth small group project that will reinforce technical concepts and develop competencies in applying LEED™, Built Green™, and other sustainable criteria.



Demonstrated Competencies

Small group project presentations and written papers summarizing results will be required for each unit to document learning and for credit.

Field Trips

Site visits to exemplary projects will provide opportunities to test conceptual understanding with the real thing.

Integrated Approach

Units will be fully integrated by the lead instructor to reinforce learning and provide familiarity with cross-disciplinary aspects of applied sustainability.

Readings

Focused reading selections will be assigned for further learning.

Resources

Internet and other resources will be integrated into the classroom experience.

Cross-Sector Applicability

Course content (including case studies and project-based exercises) will address various types of construction (commercial, residential, renovation, and new) and development (greenfield, redevelopment).

Sustainable Building Advisor Certification

To receive certification, students will be required to demonstrate understanding and competencies of the course material through participation in small group project presentations and written papers. Presentations and written papers will be scored on a pass-fail basis.

Registration

NINE SESSIONS	Oct. 2005 - June, 2006	Registration Deadline:	Oct. 1, 2005
	Meets one weekend per month	Early Registration Discount – (before Aug. 15)	10%
Cost:	\$1,995 class size limited to 30 persons	Cascadia Region Green Building Council Members Discount	10%
		Maximum Total Discount	10%

Download registration form online at: www.mhcc.edu/sbap/

Join One of the Region's Fastest Growing Professional Fields

As a result of your participation you will...

- Improve your skills in a rapidly growing field.
- Gain an understanding of current sustainability performance standards.
- Reduce long term costs and liability for building owners, operators and tenants.
- Improve the environmental, social and economic viability of the region.
- Reduce environmental impacts
- Make a difference.

Class attendees have included representatives from the following leading organizations:

Architectural Firms

- Ankrom Moisan Associates
- LRS Architects, Inc.
- ARC Architects
- Mithun Partnership
- Mulvanny
- Boxwood
- URS Corp
- NW Architectural Company
- Mahlum Architects
- David Nairne & Associates
- Driscoll Architects
- BMH Architects
- LMN Architects

Engineering Firms

- Holaday Parks
- Keen Engineering
- Abacus Engineering
- Wiss, Janney, Elsner Associates, Inc.
- Coffman Engineering
- TresWest
- CDI Engineering

Facilities, Capital Projects Managers

- Lane Community College
- Portland Public School District
- University of Washington - Athletic Department
- Metropolitan Exposition Recreation Commission
- City of Bellevue
- City of Seattle Office of Housing
- State of Washington General Administration
- Seattle University
- Getty Images
- Pacific Northwest Laboratories - Battelle
- Cascadia Region Green Building Council
- Seattle Central Community College Environmental Education Program
- International Sustainable Development Foundation
- Transparency Institute

Research, Educational and Sustainability Institutions

Developers & Contractors

- Structures NW Neal Kelly
- Dunn & Hobbes, LLC
- David B. Ellis, General Contracting

Public Utilities

- Portland General Electric
- BCBC
- Seattle City Light

Permitting and Planning

- Buck Gordon
- City of Seattle, DCLU
- King County, DDES

Government Agencies, Resource Conservation

- U.S. Environmental Protection Agency
- Oregon Department of Energy
- Washington State Department of Ecology
- City of Bellevue
- Washington County Solid Waste

For further information contact:

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Sustainable buildings are places people want to be. They pay economic, social and environmental dividends to developers, owners, tenants, design professionals and the surrounding community

- learn to improve a building's economic and environmental performance
- enhance your career through this nine-month, comprehensive and in-depth training program
- Weekend Format for the WORKING PROFESSIONAL (Friday / Saturday)



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