THE SUSTAINABLE BUILDING ADVISOR TRAINING PROGRAM

Community College Continuing Education Programs

- You are invited to participate in a local partnership to respond to the growing needfor informed, sustainable building professionals
- Enable building-related professionals to prepare for the National Sustainable Building Advisory Certification Examination
- Link to community leaders interested in supporting training such as that provided through the National SBA Program.

The Sustainable Building Advisor Training Program

This is a 100-plus hour training program focusing on all aspects of environmental sustainability for commercial and residential buildings.

Training is conducted monthly (typically on a Friday and Saturday) for nine months in coordination with your local utility and involving your local experts.

The training content is provided through a comprehensively-developed training program prepared and combined in a tab-indexed binder for easy organization and use (see "SBA Program Outline" in later section in this information pamphlet).

Participants must successfully complete a "real world" project that then qualifies them to take the online National Sustainable Building Certification Examination.

Program Value To Your Continuing Education Efforts

- You will be offering a proven, high-value, high-demand training program in an industry that is facing increasing regulations, policies and procedures related to sustaining the local environment. This factor drives enrollment to the program.
- The training program can and should be offered through a partnership with your local utility.
- Most participants will be those with bachelor degrees or higher increasing your institution's prestige in the highly-competitive professional training environment.
- Your revenue share is significant with very little up-front costs, primarily for materials and staff time to market the program.
- You will be participating in an effort to make America more livable for the near and far future.

Target Audience

This program generally attracts architects, designers, engineers, building operators and managers, utility personnel, and environmental consultants. The program is valuable to employers who typically fund employee's enrollment and attendance during business hours.

A Financially-viable Training Program, Assisting You in Earning Income for Your Continuing Education Department

The recommended registration fee for this nine-month training program is $1995. Based on this price the following financial model is provided. As the chart shows with 20 students, your Continuing Education Department should net nearly $9,000 and with 30 participants, over $19,000. At Seattle Central Community College annual enrollment has been maintained at 35 for the last five years with a typical waiting list of up to 15 individuals.

REVENUE			
# of students	20	25	30
FEE	$1,995	$1,995	$1,995
TOTAL REVENUE	$39,900	$49,875	$59,850
EXPENSES:			
Instructor: $75/hr x 104 hrs + 20%FB	9,400	9,400	9,400
Guest speakers, misc expenses	3,000	3,000	3,000
Student materials: $695 pp	13,900	17,375	20,850
National Certification Testing Fee: $250pp	5,000	6,250	7,500
Total Expenses	$31,300	36,025	$40,750
Balance to school	$8,600	$13,850	$19,100
Per student earning	$430	$554	$637

You collect the registration fees and retain them. Upon sending the enrollee names to NaSBAP, we will then forward the materials and invoice you the amount owed to NaSBAP.

Sustainable Building Advisor Program Outline

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

- Identify and discuss the key practices of sustainable building
- Apply LEED, Built Green and other relevant criteria or established guidelines.
- Analyze the costs and benefits of incorporating sustainable building measures.
- Work with architects, designers, builders, building operators, and utilities to improve a building's performance.

Unit 1: Fundamentals of Sustainable Building and Design

- The "case" or rational for green building.
- A view f the current state or green building in the region and nationally
- The principles of sustainable design
- An introduction to the practicum project

Unit 2: The Importance of Place: Site, Transportation and Land Use Issues

- An introduction to sustainable site design
- An understanding of the site planning process
- Sustainable site analysis and conduct a site assessment
- Importance of transportation planning, siting, relationship to sustainability
- Strategies to achieve sustainable transportation patters and site development

Unit 3: Energy Efficient Design

- How the design of building energy systems impacts the human experience and the global environment
- The value of contextual, holistic approach to building energy system design.
- How a building dynamically interests with its occupants and the local climate,, including renewable energy flows
- Fundamental building energy systems, including HAVA and lighting

Unit 4 "Green" Materials Selection

- Factors in material selection an the issue of trade-offs
- Resources to assist in determining materials appropriateness
- Analytical process to evaluate materials for a project
- Material considerations when using the LEED rating program
- Material considerations when designing a green home

Unit 5: Indoor Environmental Quality& Health

- Benefits of improving indoor environmental quality
- Common indoor air pollutants
- Barriers and solutions to achieving good indoor air
- Implementation issues to help achieve good quality indoor air
- Ventilation system design strategies
- Linkages between health, well-being and productivity
- Physical, psychological and financial benefits of daylight and view

Unit 6: Water and Site Design

- Benefits of adopting a natural systems-based approach
- Sustainable site development patterns
- Impact reduction through landscape layout, plant selection and placement
- Outdoor water conservation strategies and practices
- On-site management methods for storm water and wastewater
- Indoor water conservation

Unit 7: Sustainable Job Site Operations

- Construction waste management, site protection and IAQ protection
- Incorporating green building materials
- Planning and practices for sustainable construction practices

Unit 8: Building Operations and Maintenance

- Facility management (FM) functions, duties of FM department, FM professionals, and FM position in sustainability
- Building Commission (Cx), what it is, how it is accomplished, and its critical importance to the performance of a building
- Effective operations and maintenance
- Effective training programs within a building

Unit 9: Presentation of Team Projects

How the Program Is Implemented

Prior to conducting the program your institution will be required to sign a partnership agreement that reflects the conditions discussed in this informational booklet.

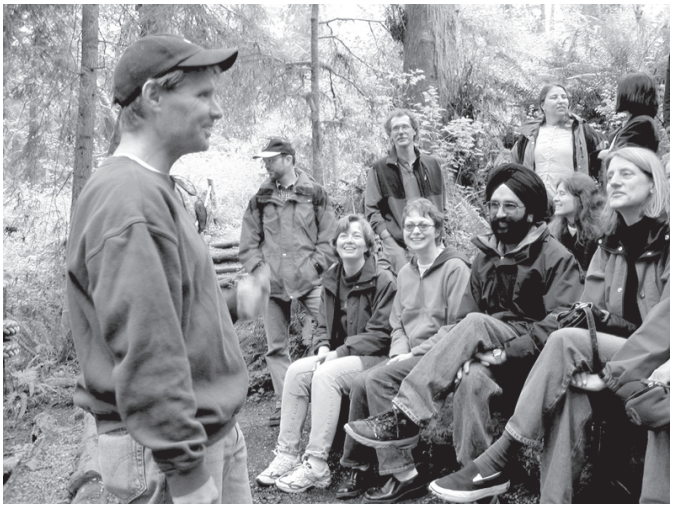
NaSBAP will send you additional information that includes marketing materials and marketing approaches. Key among them is working with your local utility or jurisdiction.

Your local utility or jurisdiction can assist you in promoting the program to professionals in related building fields including architects, designers, engineers, building managers, design consultants, and others.

You need to identify a lead instructor who will then serve as an instructional facilitator who provides the instruction (with guest experts), arranges field trips, and guides the students through the required "real world" project and presentation.

Those students receiving a local certificate (upon passing the project presentation jointly reviewed by local instructor and National SBA certification examiner); they then apply to take the national certification test – a 3.0 hour, 250 multiple-choice, online examination.

Getting Started

For further information or to initiate discussion on offering this program, please contact the National Sustainable Building Advisor Program:

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