



earth
advantage®



Sustainable Homes Professional

The most in-depth course for building industry professionals looking to advance the high performance home market.

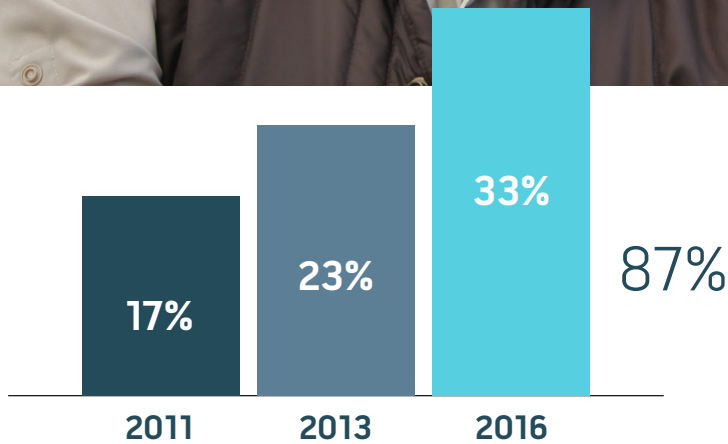


Why Accreditation Matters

Our Earth Advantage Sustainable Homes Professional (SHP) training provides professionals with the opportunity to earn a credential that both bolsters and promotes an individual's qualifications.

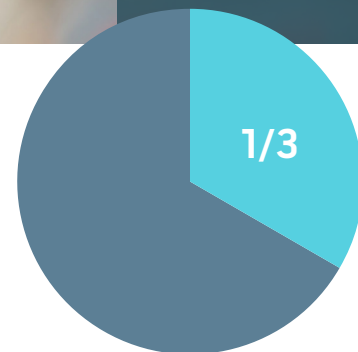
Who is SHP for?

- Appraisers
- Architects/Designers
- Builders/Contractors
- Remodeling Contractors
- Real Estate Professionals
- Engineers
- Program Managers
- Consultants
- Students
- Teachers



Projected Growth in Green Homes*

*As a percent of the entire market.
2013 McGraw-Hill Construction



1 in 3 U.S. homebuyers will be fully dedicated to buying green by 2016*

*World Green Building Trends SmartMarket Report (2013) - Dodge

"The course offers enough variety that anyone can benefit from taking it. Whether you are going for ENERGY STAR® or Passive House certification and everything in between, the curriculum is challenging and yet moldable enough to apply to all types of building professionals with varied backgrounds. It is the most diverse and inclusive high-performance homes professional certification available"

— Tyler Coke, Construction Manager, SHP | Green Hammer (Portland, OR)

Provide professionals with the technical building science expertise needed to design, build and market sustainable homes.

PARTNERSHIP & LICENSING

The Sustainable Homes Professional (SHP) license provides organizations and institutions with the opportunity to add an in-depth, interactive and comprehensive accreditation course to their program. Professionals will learn building science best practices, explore the full breadth of sustainable building implementation, and gain a mentored approach to achieving numerous green home certification standards.

OVERVIEW

Each of the six, two-day modules integrate lecture and discussion, hands-on exercises, a guest speaker and two tours of certified homes. Outside work includes homework assignments, quizzes, readings and a home certification project that puts principles into practice. An accreditation exam at the end of the course allows participants to earn the designation of an accredited Sustainable Homes Professional (SHP).

COURSE STRUCTURE

- > Module 1: Introduction, Philosophy & Integrated Design Process
- > Module 2: Building Science Fundamentals
- > Module 3: High Performance Building Envelopes
- > Module 4: Mechanical Systems & Performance Testing
- > Module 5: Health, Materials & Water
- > Module 6: Final Presentations & Certification Exam

Modules 1 - 5 can be taken individually and at different times to achieve SHP accreditation.

PARTNERSHIP SERVICES

Curriculum customization (manual, PowerPoint presentation, activities, resources)

State approval for continuing education

Marketing templates

Administrative checklists

Registration management

Training delivery

Training for trainers

Instructor access to online course platform

Administration of online quizzes and certification exam

Course evaluations

Accreditation follow up: logos, online profile and marketing support

Course Features

BENEFITS

- > Sustainable Homes Professional (SHP) professional designation and use of logo
- > 10 tours of high performance homes
- > 5 guest speakers
- > SHP course manual, resource guide & 2 textbooks
- > Green home valuation data & studies
- > Marketing strategies & support
- > Personalized profile listing on the Earth Advantage website and marketing support
- > Affiliation with a third-party certifier of green homes

LEARNING OBJECTIVES

- > Learn sustainable building best practices from award-winning building science experts
- > Gain a builder/designer-centric approach to Passive House, Net-Zero, LEED® for Homes, Energy Star, Living Building Challenge, and other certification program standards
- > Explore the full breadth of sustainable building practices from site layout to flooring selection
- > Learn what it means for a home to be energy, water, and resource efficient while maintaining a safe, comfortable, healthy building
- > Put principles into practice with a cumulative hands-on final project

CREDITS AVAILABLE

- > BPI: 42 units
- > AIA: 84 LU/HSW
- > CCB: 84 Series B credit hours
- > OR Real Estate: 84 credit hours
- > OR Appraiser: 56 credit hours
- > Community College: 6 credits

FRAMEWORK

Six monthly two-day modules
Twelve days (84 clock hours) total
Typically hosted on Fri. & Sat.
from 9 a.m. to 5 p.m.

Note: SHP can be delivered in a more condensed timeframe if needed.

OUTLINE

Module 1

- > Green Building Programs
- > Integrated Design Process
- > Construction Management Process
- > Sustainable Sites

Module 2

- > Fundamental Natural Laws of Thermodynamics
- > Mechanisms of Thermal & Air Flows
- > Moisture Management
- > U-value and R-value Calculations

Module 3

- > Building Envelope Performance
- > Design Choices & Implementation
- > Insulation and Air Sealing
- > HP Wall and Roof Assemblies

Module 4

- > Integrated Mechanical System Design
- > Climate Responsiveness/ Passive Strategies
- > Load Minimization & Fuel Choice
- > Lighting & Sound
- > Performance Testing & Diagnostics

Module 5

- > Health Impacts
- > Indoor/Outdoor Pollutants and Risks
- > Green Materials Considerations
- > Waste Management
- > Water Conservation Strategies

Module 6

- > Process Management
- > Course Review
- > Green Home Marketing
- > Marketing Yourself as an SHP
- > Final Project Presentations & Exam



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Better Buildings Now

CONTACT

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ABOUT EARTH ADVANTAGE

Earth Advantage is a Portland-based nonprofit whose mission is to accelerate the creation of better buildings. We provide knowledge to building professionals and information to consumers through certification, research, education, and product development to move the building industry towards more sustainable practices.

earthadvantage.org

OTHER COURSES

Earth Advantage Broker

Accredited Green Appraiser (AGA)

Building Science Toolkit for Home Inspectors

Marketing for Green Homes

Deconstruction and Materials Reuse