

Shasta Builders Exchange Training Center

KEY

NCCER Core Foundation Course
Certified Green Building Program Courses
Career Pathway Options

Currently scheduled trainings are being held at the SBE Training Center facility ~ 2985 Innsbruck Drive, Redding, Ca 96003

NCCER Core Foundation Course (Level One Training)	
Course Description:	NCCER Core: Introductory Craft Skills to include Basic Safety, Introduction to Construction Math, Fundamental of Electrical and Mechanical Math, Crew Leadership, Introduction to Hand Tools, Introduction to Power Tools, Introduction to Construction Drawings, Basic Rigging, Basic Communications Skills, Basic Employability Skills, and Introduction to Materials Handling.
Outcome:	NCCER Core Completion
Course Dates Available:	August 2 - August 13, 2010 October 4 - October 15, 2010 Additional Dates Available upon Request
Duration:	80 Hours
Course Fee:	\$1,500 per Person <i>(Minimum class size of 10 required)</i>
Certified Green Building Professional Course (Level Two Training)	
<i>Intro to Green Building Segment</i>	
	Participants learn about the green building practices used in construction , interior design, inspection, and architecture as well as explore concepts from the US Green Building Council and Build it Green. The principles of energy: What is energy, laws of thermodynamics, energy versus power, energy transformation and heat flow, converting energy for home use, electric circuits and devices, and control circuits. Includes exam.
<i>LEED Core Concepts & Strategies Segment</i>	
	Prepares participants to become certified leaders in green building practices for commercial and residential projects through the US Green Building Council's Leadership in Energy and Environmental Design (LEED) Green Building program.
<i>CA Energy Codes Segment</i>	
	This two-day class will review the 2008 California Residential Energy Standards. The focus is directed toward individuals that need to understand how the energy standards work and the main elements of the standards. These elements include the HERS measures such as duct testing, blower door testing, and air conditioning refrigerant charge. The class will also address the forms and documentation that are used with the standards including the CF-1R, CF-4R and CF-6R forms. Utility programs, Energy Star and other above code programs will be
Outcome:	Energy Codes Certificate of Completion; Certified as a Green Building Professional, and prepared to take the LEED Green Associate Exam
Course Dates Available:	August 25 - 27, August 31 and September 1, 2010 October 27 - 29, November 9 - 10, 2010
Course Fee:	\$1,500 per person <i>(Minimum class size of 15 required)</i>
Environmental Control Technology (HVAC)	
<i>Career Pathway Option</i>	
Course Description:	To prepare students to install, service, and maintain commercial heating, ventilation, air conditioning refrigeration systems (HVAC) and controls, with emphasis on safety, occupancy comfort and energy efficiency. NATE Core Exam included.
Outcome:	HVAC Certificate of Completion / NATE Core Certificate / EPA Refrigerant Certified
Course Dates Available:	January 3 - April 1, 2 M - F 5:30P - 9:30P
Duration:	240 Hours
Course Fee:	\$3,200 per person <i>(Minimum class size of 10 required)</i>

Title 24: HERS Measures*Career Pathway Option***Course Description:**

This two-day class will prepare participants to take the CHEERS Whole House Rater training class. This class will provide hands-on instruction in how to perform Title-24 HERS measures such as duct testing and blower door training. Participants will learn both the technical rules and regulations and also learn how to perform the HERS verifications. This class is a pre-requisite for attending the CHEERS Whole House Rater training.

Outcome: Certificate of Completion

Course Dates Available: September 2 - 3, 2010 8:00 am - 5:00 pm
December 13 - 14, 2010 8:00 am - 5:00 pm

Course Fee: \$435 per person (*Minimum class size of 10 required*)

Hers II Rater*Career Pathway Option***Course Description:**

Participants will be trained to inspect, measure, and report on an existing home's energy characteristics, such as insulation levels, window efficiency, wall-to-window ratios, the heating and cooling system efficiency, and the solar orientation for the home. This course will also include code of ethics and rating standards of practice. Written & Field Exams are included.

Outcome: Hers / CHEERS Existing Home Rater Certification

Pre-Requisite(s): Completion of Title 24: Hers Measures

Course Dates Available: September 7 - 10, 2010 8:00 am - 5:00 pm
December 15 - 21, 2010 8:00 am - 5:00 pm

Duration: 40 Hours

Course Fee: \$1,200 per person (*Minimum class size of 10 required*)

Building Analyst*Career Pathway Option*

Course Description: This 9-day intensive home performance training *series* teaches whole-house energy efficiency and building performance testing, evaluation, and contracting with homeowners for upgrading existing homes to improve comfort, safety, health, durability and energy efficiency. This program was developed to meet the increasing demand among homeowners for comprehensive energy efficiency solutions and better quality, energy-focused remodeling, a market that is expected to grow for many years to come.

Outcome: Prepared to sit for Building Analyst Certification Exam

Course Dates:

Building Science Principles: November 1 - November 5, 2010 8A - 5P \$750 / person

Written Test Prep & Review: November 17 - November 18 8A - 5P \$350 / person

Written Exam Sessions: November 19 8A - 12N or 1P - 5P \$150 / exam

Field Mentoring: One-on-One Mentoring 1 1/2 days (Scheduled Individually) \$800 / person

Field Exam: Scheduled Individually \$415

Solar Photovoltaic*Career Pathway Option*

Course Description: This comprehensive entry-level PV Installation course is designed to meet the NABCEP entry-level certificate program and national standards. This course covers PV Markets and Applications, Safety Basics, Electricity Basics, Solar Energy Fundamentals, PV Module Fundamentals, System Components, PV System Sizing Principles, PV System Electrical Design, PV System Mechanical Design, Performance Analysis, Maintenance and Troubleshooting.

Outcome: NCCER Solar Certification / Prepared for NABCEP Entry Level Exam

Course Date: September 20 - September 24, 2010

Course Fees: \$1,200 / person (*Minimum class size of 10 required*)