



**NCCER Core - 80 Hours**

Course Description: NCCER Core: Introductory Craft Skills to include Basic Safety, Introduction to Construction Math, 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

Pre-Requisite(s): None

**Intro to Green Building - 16 Hours**

Course Description: 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.

Outcome: Certified as a Green Building Professional

Pre-Requisite(s): NCCER Core Completion

**LEED Core Concepts & Strategies - 8 Hours**

Course Description: 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.

Outcome: Prepared to take Green Associate Exam

Pre-Requisite(s): NCCER Core Completion

**CA Energy Codes - 16 Hours**

Course Description: 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

Outcome: Certificate of Completion

Pre-Requisite(s): Completion of NCCER Core and Certified Green Bldg Program

**Environmental Control Technology (HVAC) - 240 Hours**

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

Pre-Requisite(s): Completion of NCCER Core and Certified Green Bldg Program

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

Shasta Builders' Exchange Training Center

**Title 24: HERS Measures - 16 Hours**

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

Pre-Requisite(s): NCCER Core Completion

**Hers II - 40 Hours**

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 fo 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 NCCER Core and Certified Green Bldg Program

**Building Analyst - 72 Hours**

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 Buiding Analyst Certification Exam

Pre-Requisite(s): Completion of NCCER Core and Certified Green Bldg Program

