



Solar Heating Entry Level

Learning Objectives:

Entry level candidates solve generic, basic problems applicable to commonly installed Solar Heating systems in North America using schematics, pictures and graphics to demonstrate fundamental Solar Heating knowledge by:

1. *Conducting a site analysis, including load analysis*
2. *Identifying Solar Heating safety practices, standards, codes, and certification*
3. *Identifying systems for specific climates and applications*
4. *Identifying proper operation and installation methods for Domestic Water Heating, Pool Heating, and Space Heating*
5. *Identifying proper use of balance-of-system components and materials (e.g., controllers, tanks, pumps, valves, piping, etc.)*
6. *Identifying common Solar Heating maintenance items*



Instructor:



Jerry Henderson has been a Journeyman Plumber for more than 20 years, and is a former mechanical contractor working now as a designer, project manager and inspector in support of creating healthy and environmentally supported living spaces. He has been an instructor in solar system installation for the Oregon Solar Energy Industries Association (OSEIA), the Bonneville Power *BrightWay to Solar* program, and the Northwest Energy Education Institute (NWEI). He has worked on both state and national levels to usher in uniform codes and standards for solar installations.

Provider:

The Northwest Energy Education Institute (NEEI) offers both standard and custom learning opportunities throughout the Northwest for practicing professionals in the energy industry, including an energy management certification program.

NEEI is located within the Science Department at Lane Community College.

Guided by a regional advisory board, NEEI has provided energy efficiency training and development throughout the Northwest region since 1998. Participants have included technicians, contractors, engineers, architects, consultants, utility personnel, and energy managers.

