



2011-2012 Career Planning Guide

Energy Audit 1: Residential Certificate of Completion

Shoreline Community College
16101 Greenwood Avenue North
Shoreline, Washington 98133

Length of Program: 4 Credits-Short-term
Completion Award: Certificate of Completion
Program Advisors: Faculty – Joel Gregory

Approximate Quarterly Costs:

Check quarterly class schedule for Tuition Table

Parking Fee per Quarter: \$15

Books, supplies, etc: Varies per quarter, approximately \$200

Enrollment: FWSp

PROGRAM DESCRIPTION

This certificate includes training in the principles of energy auditing and weatherization inspection. Students will learn the principles of energy, energy and the building shell, energy auditing, air leakage, insulation, windows and doors, heating and cooling systems, indoor air quality, lighting and appliances, and water heating. Students will be trained to conduct energy audits and work with utility customers in the field. This course is the beginning step in acquiring knowledge to pass the BPI National Certification Exam for Energy Auditors.

PROGRAM OUTCOMES

Student will gain an

- understanding of basic energy-related components of single-family residences
- understanding of conservation measures and analysis techniques
- understanding of combustion systems
- understanding of interactivity of energy consumption and improvements
- understanding of conservation technologies
- understanding of a positive way of working with customers
- understanding of how to write audit reports.

CAREER OPPORTUNITIES

Graduates of this certificate program could work with electricians, builders, architects, equipment manufacturers and distributors, engineers, consultants; utility companies and governmental officials.

POTENTIAL POSITIONS INCLUDE

Utility Conservationist; Solar Certification Specialists; Solar Customer Service Professional; Entry Level Energy Consultant; Green Building Project Specialist; Inventory Control Specialist-Solar; Solar-Process Data Miner; Renewable Energy Educational Liaison; Solar PV System Designer; Solar Sales Consultant; Solar Technical Support; Construction Trainee; Energy Auditor; LEED Documenters. Entry level wages range from \$14 to \$25 per hour.

**Career Ladder Short Term Programs:
Energy Audit 1: Residential**

PROGRAM PREREQUISITES

College English or COMPASS Test Score at the ENGL & 101 level.
Completion of MATH 099 Intermediate Algebra or placement into MATH & 146 (College Level Math with COMPASS Test).

People with a four-year degree will not have to meet these prerequisites.

PROGRAM REQUIREMENTS

NRG 121	Energy Audit 1: Resident	4 credits
J655A	11-22-11	