



2011-2012 Career Planning Guide

Clean Energy Building Practices Certificate

Shoreline Community College
16101 Greenwood Avenue North
Shoreline, Washington 98133

Length of Program: 15 credits
Completion Award: Certificate of Completion
Program Advisors: Faculty – Mike Nelson

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 is designed to introduce students to clean technology with an emphasis on residential and small commercial buildings.

PROGRAM OUTCOMES

1. Understand the basics of design for residential and commercial photovoltaic systems and thermal systems.
2. Understand the applied code, associated electrical equipment and performance parameters and attributes required for the design and installation of photovoltaic energy systems.
3. Demonstrate understanding of and installation and troubleshooting skills, maintenance issues and design criteria for photovoltaic energy systems.
4. Evaluate residential and commercial building energy use patterns.

CAREER OPPORTUNITIES

Certificate holders may be employed by private or public industry and government. The clean technology job industry is still evolving and many positions occur in small businesses or in jobs that require a sustainability component.

POTENTIAL POSITIONS INCLUDE

Entry level energy consultant, Solar sales consultant, Energy Auditor.

**Career Ladder Short Term Programs:
Clean Energy Building Practices**

PROGRAM PREREQUISITES

There are no prerequisites for this program.

Clean Energy Building Technology

NRG 110^	Intro Energy/Built Envir	5	___
NRG 200	Zero Energy Bldg Design	5	___
NRG 225	Computer Energy Model	3	___

Additional NRG course(s) to total minimum of 15 credits

Total 15 credits

The clean energy industry is evolving; therefore the program course list/quarterly class schedule may change. Classes are being added to the class schedule as the year progresses. Please check online frequently.