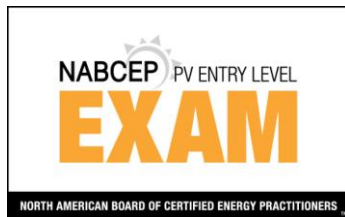


Solar Photovoltaic (PV) Design and Installation - Online Class
Offered by Lane Community College and Northwest Energy Education Institute



Date and Location

July 18th - September 10th, 2011
Online through Lane Community College

Course Objective

This course is designed to introduce individuals to the design and installation fundamentals for photovoltaic (PV) systems. Topics will include PV fundamentals, site surveys, solar resource analysis and system sizing for both grid-tied and off-grid PV. This eight week course is structured to prepare participants for the North American Board of Certified Energy Practitioners (NABCEP) PV Entry Level exam. Passing this exam allows individuals to meet of the technical requirements of the Oregon Department of Energy's Tax Credit Certified Technician (TCCT) program. Those seeking TCCT status will need to attend an additional state-sponsored training on specific program requirements.

Learning Outcomes

Students who complete this course will have knowledge in the following areas: PV markets and applications, safety basics, solar energy fundamentals, system components, PV system sizing, PV system electrical design, PV system mechanical design and performance analysis and troubleshooting.

Prerequisites

College level Algebra and Geometry

Materials

Photovoltaic Systems, 2nd Edition by Jim Dunlop. To be purchased prior to attending class, www.go2atp.com. Additional course materials are provided by instructor to reinforce learning objectives.

Registration

Lane Community College main campus number: 541.463.3100
Energy Management Program Office 541.463.4729
<http://www.lanecc.edu/es/registration.html>
CRN 15050