Kane County Department of Facilities,
Subdivision, and Environmental Resources
Kane County Government Center
Building A
719 Batavia Avenue
Geneva, IL 60134

FOR IMMEDIATE RELEASE

Date: January 13, 2011

Contact: Karen Kosky (630-208-8665 / koskykaren@co.kane.il.us)

FUNDS AVAILABLE: CONSTRUCTION TRADES – ENERGY EFFICIENCY TRAINING

Kane County, in partnership with Elgin Community College is offering full tuition payment to a total of 30 licensed building contractors doing business in Kane County to complete a 2-semester program of study resulting in a Certificate of Course Completion in Renewable Energy Construction. First priority will be given to those contractors who can complete the 2-semester commitment for the program.

Kane County has been allocated grant funds through the Energy Efficiency and Conservation Block Grant (EECBG) Program of the American Recovery and Reinvestment Act (ARRA). In cooperation with Kane County, Elgin Community College has developed an energy efficient construction/builder's training program that will award 30 building contractors living or doing business in Kane County with a Certificate of Course Completion in Renewable Energy Construction.

Tuition for this certificate will be 100% funded by the EECBG.

The certificate will benefit current construction trade businesses in Kane County by equipping them to meet new challenges and opportunities faced by the new economic climate including:

- Meeting the need for energy efficient new construction in a manner that is economically sustainable;
- Preparing for increased demand for facility energy efficiency retrofit projects; and
- Understanding the technical and economic aspects of small-scale renewable energy systems for existing or retrofit construction.

For questions or to register for this training program, please contact:

Harriet Happel
Office Coordinator, Elgin Community College Sustainability, Safety and Career Technologies Programs
847-214-7900
hhappel@elgin.edu

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HAC 236-SS2: Energy Auditing
(Special Topics)
Offered on Thursdays,
January 20 – May 12, 2011
6:30PM – 10:00PM

This course addresses the fundamental purpose of an energy audit, the three types of audit, as well as lab work covering the use and application of standard auditing tools, specificity, blower door testing, duct pressurization testing and the use of thermal imaging cameras.

HAC 236-SS3: Introduction to Photovoltaic Technology (Special Topics)
Offered on alternating Saturdays,
January 29 — May 14, 2011
8:30AM – 5:10PM

This course covers the fundamental function and operation of photovoltaic systems including: PV cell types, location, grid tied and off-grid systems, battery and inverter requirements, and a discussion of local codes as they apply to Renewable Energy Systems.

ECS 110-SS2: Codes and Standards
Offered on Fridays,
January 21 – May 13, 2011
6:30PM – 10:10PM

Familiarization with and identification of sources of current federal, state, local codes and standards (ASHRAE) applied to building, plumbing, electrical, heating, ventilation, refrigeration, and air conditioning systems.

Preliminary Registration Form

ECC ID No. _____

Email address: _____

Name: _____

Address: _____

_____

City: _____

State: _____ **Zip:** _____

Daytime Phone: _____

Contractor's License Number:

_____

Please mail to:

Harriet Happel
Office Coordinator
Sustainability, Safety and Career Technologies
Elgin Community College
1700Spartan Drive
ATC 223
Elgin, IL 60123
847-214-7900

Or Fax to:

847-214-7361

Energy Efficiency and Conservation Block Grant

Kane County Department of Facilities, Subdivision, and Environmental Resources

Certificate of Course Completion in Renewable Energy Construction

Elgin Community College
Division of Sustainability, Safety & Career Technologies Programs

Certificate of Course Completion in Renewable Energy Construction

Kane County Department of Facilities, Subdivision, and Environmental Resources has been allocated grant funds through the *Energy Efficiency and Conservation Block Grant* (EECBG). In cooperation with Kane County, Dr. Jeffery Boyd, Dean of Sustainability, Safety and Career Technologies Programs and Professor Andrew Erbach, Instructional Coordinator for the Renewable Energy Program for Elgin Community College, have developed an energy efficient construction/ builder's training program that will award 30 building contractors doing business in Kane County with a *Certificate of Course Completion in Renewable Energy Construction.*

Tuition for this certificate will be 100% funded by the EECBG.

The certificate will benefit current construction/builder businesses in Kane County by equipping them to meet the purposes of the EECBG Program to create and implement strategies to:

- reduce fossil fuel emission in a manner that is environmentally sustainable and, to the maximum extent practicable, maximize benefits for local and regional communities;
- reduce the total energy use of the eligible entities; and
- improve energy efficiency in the building sector.

Beginning Fall Semester 2010 and continuing through Spring Semester 2012, Elgin Community College in partnership with Kane County will enroll a total of 30 licensed building contractors (10 each semester) doing business in Kane County to complete a 2-semester program of study resulting in a *Certificate of Course Completion in Renewable Energy Construction*. First priority will be given to those contractors who can complete the 2 -semester commitment for the program. Next consideration will be given to those contractors who can only attend one semester or who can only attend one class.

Given the unique nature of this program, traditional registration will not be available. You must register through Dean Boyd's Office Coordinator. Contact information is as follows:

Harriet Happel
847-214-7900
hhappel@elgin.edu

For more information regarding the program, you may contact Dean Boyd at 847-214-7677 or Professor Erbach at 847-214-7287.

Please note, students who currently receive other sources of state or federal financial aid will not be eligible to use the Department of Energy *Efficiency and Conservation Block Grant*.

Classes offered in the Spring 2011 semester are as follows

HAC 236-SS1: Fox Valley Survey of Renewable Energy (Special Topics)
Offered on Tuesdays,
January 18 – May 17, 2011
6:30PM – 10:10PM

This survey course looks at the particular features of the Fox Valley and the specific opportunities for development of renewable energy resources; wind, geothermal and solar. The course will consist of presentations by area experts, facilitated by an ECC Energy Management faculty member.

ECS 117-SS1: Introduction to Sustainable Heating Systems
Offered on alternating Saturdays,
January 22 — May 14, 2010
8:30AM – 4:10PM

Introduction to solar air heating using a combination of lecture and fabrication lab sessions. Students will design, build and evaluate a solar air heating system. The design will include material selection, heat transfer, and cost benefit analysis. The fabrication will include the use of standard hand tools and materials. The evaluation will include fundamental heat gain calculations and the use of air flow and temperature monitoring instruments.

ECS 202-SS1: Commercial Load Calculations
Offered on Mondays,
January 24 – May 16, 2011
6:30PM – 10:10PM

Provides a comprehensive study for heating and cooling load calculations for commercial buildings. Provides a wide range of procedure--both manual calculations procedures and computer-assisted. Emphasizes the Transfer Function Method (TFM) as a baseline procedure. CLTD/SCL/CLF are discussed.