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1500 W. Raab Road
Normal, Illinois 61761

your path to lifelong learning

Energy Efficiency & Renewable Energy Courses



Community Education

www.heartland.edu/communityEd

The programs in this brochure are offered as part of the
Green Institute at Heartland Community College.
For more information, contact Julie Elzanati at (309) 268-8166.

Building Operator Certification - Level I

This is a competency-based certification course for individuals employed in operations and maintenance of commercial or institutional facilities. The training prepares skilled operators to implement energy efficiency operational measures and emphasizes energy-efficient building maintenance practices. The program consists of eight days of training with some out-of-class project work. *Offered in partnership with the Midwest Energy Efficiency Alliance.*

Midwest Energy Efficiency Instructors
10673 Sec. A **Thursdays (8 sessions, includes
Wednesday 3/4), 11/13/08-4/30/09,
8am-4pm, HCC WDC Rm 1402**
\$1,150 (includes breakfast, lunch & materials)

Course Schedule and Topics:

- Thursday, 11/13 **Building Systems Overview**
- Thursday, 12/11 **Energy Conservation Techniques**
- Thursday, 1/8 **Facility Electrical Systems**
- Thursday, 2/5 **Efficient Lighting Fundamentals**
- Wed-Thur, 3/4-3/5 **HVAC Systems & Controls**
- Thursday, 4/2 **Indoor Air Quality**
- Thursday, 4/30 **Operations Maintenance for High Performance Buildings**

Additional information available at
www.boccentral.org.

Living Locally, Acting Globally

Are you overwhelmed with the variety of "green" choices and need help deciding what efforts to support? Join us on guided tours throughout Bloomington-Normal to visit businesses and individuals who are helping to build a more sustainable community for everyone. Each session will focus on different aspects of living locally, such as reducing and recycling your waste, energy efficiency and renewable energy, public and alternative transportation, Children and Elder's Forest and local food options.

Learn the fundamental principles of sustainability so that you can make educated choices that are better for your health and the planet. Discover simple methods to reduce your use of natural resources and decrease your ecological footprint. *Cosponsored with the Ecology Action Center.*

Julie Elzanati, Joe Grabill & Michael Brown
10970 Sec. A **Fridays (3 sessions), 10/17-10/31
9am-12pm,
HCC WDC Rm 1403**

\$30

Living Locally Tours (transportation included):

- Friday, 10/17 **Twin Groves Wind Farm**
- Friday, 10/24 **Recycling Transfer Station,
County Landfill & Ropp Farm**
- Friday, 10/31 **Uptown Normal**



Renewable Energy

The Midwest Renewable Energy Association (MREA) has more than 18 years of experience providing high-quality energy education and training programs for consumers, businesses and renewable energy system installers. Attend these trainings to learn from an expert, receive curriculum based on nationally-recognized standards, meet other people with similar interests and values, and have a great time.

Basic Photovoltaics

Attend this workshop to learn the basics of photovoltaic (PV) systems including how PV works and the best applications or limitations of the four PV system types. You will learn to describe and identify PV system components and explore PV mounting options. Find out how to define the solar window, calculate load estimates, and utilize basic site assessment tools.

MREA Instructor
 10926 Sec. A **Friday 10/10**, 8:30am-5pm,
 HCC WDC Rm 2605
 10927 Sec. B **Saturday 11/8**, 8:30am-5pm,
 HCC WDC Rm 2605
\$135 (includes text and 1-hour lunch on your own)

Solar Domestic Hot Water Systems

Learn how to use the sun's energy for domestic water uses such as showers, sinks, and clothes washers. By incorporating a SDHW system, the typical household can save 50% or more in energy costs annually. These systems are easy to install and often pay for themselves in energy savings in just a few years. This class provides an overview of a variety of solar water system types.

MREA Instructor
 10928 Sec. A **Saturday 10/11**, 8:30am-5pm,
 HCC WDC Rm 2605
\$143 (includes text and 1-hour lunch on your own)

Introduction to Wind Systems

Are you interested in a residential-size wind systems for your home or business? This course provides information about what wind energy is, how it works and what it can do for you. Learn the basics of wind energy such as wind resources, basic system components, system types, turbine types, applications, and tower types. This course is a prerequisite for all other MREA wind courses.

Midwest Renewable Energy Association Instructor
 10929 Sec. A **Friday 11/7**, 8:30am-5pm,
 HCC WDC Rm 2605
\$126 (includes text and 1-hour lunch on your own)

For more information about the MREA, visit www.the-mrea.org.

Alternative Fuel Vehicles

Join us to learn more about the different types of alternative fuel vehicles available on the market today. Familiarize yourself with the advantages and disadvantages of each kind of vehicle. Determine whether purchasing an alternative vehicle is the right choice for you.

Otis Kindle
 10765 Sec. A **Thursdays (2 sessions),**
10/16-10/23, 6-9pm,
 HCC WDC Rm 1403

\$32



Refrigerant Handling Certification

This course prepares students to sit for the EPA 608 certification exam. The program provides students with a well-rounded knowledge of refrigeration technology. Topics include recognizing refrigeration components, testing methods, refrigerant recovery, dangers of refrigerant release, refrigerant recycling, high and very high-pressure appliances, low pressure appliances and small appliances. Students will have hands-on training opportunities in our on-site HVAC laboratory. The official EPA 608 certification exam will be administered on the last day of class. Certification documentation will be mailed to students who pass the exam.

Ronald Elliott
 11212 Sec. A **Tues/Thurs (6 sessions), 11/4-11/20**
 6-9pm, HCC WDC Rm 1403
\$172 (includes text & exam)

2008 Illinois Energy Expo

**October 2nd (10AM—5PM)
 & October 3rd (9AM—3PM)**

This event will bring together business leaders, building energy managers, building contractors, energy industry experts, energy educators and residents to explore energy conservation options that will help reduce energy costs and positively impact the Illinois economy. Over 32 exhibitors and 17 workshops will offer information about energy efficient and alternative energy technologies and services. **Join us to learn about valuable financial assistance and incentives available through several newly-created energy programs for residential, commercial and industrial customers.** Event will be held at the Parke Hotel & Conference Center

11296 **Full Registration (deadline=9/25)**
\$50 (Includes exhibit hall, workshops & lunch both days)
 11301 **Exhibition Hall & Workshops Only**
\$20 (does not include meals)

Registration



Name _____
 Social Security Number _____
 Birth Date ____ / ____ / ____
 Address _____
 City _____ State _____ ZIP _____
 Home Phone _____
 Work/Other Phone _____

Items Requested for State Reporting:

Male / Female _____
 Ethnic/Racial Classification _____
 Highest Degree Earned _____

Course Title	Code	Fee
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
		Total: _____

Five Convenient Ways to Register:

- 1) ONLINE:** www.heartland.edu/communityEd
- 2) PHONE:** (309) 268-8160
- 3) FAX:** (309) 268-7882
- 4) IN PERSON:** Community Education
 Workforce Development Center, Suite 2400
- 5) MAIL Form & Payment to:**
 Community Education
 Heartland Community College
 1500 W. Raab Rd.
 Normal, IL 61761

Check enclosed, payable to Heartland Community College.
 Please charge my credit card for the fees indicated above.
 Master Card Visa Discover Card
 Card # _____
 Expiration Date _____
 Signature _____

Thank you for choosing Heartland Community College!

Questions? Call (309) 268-8160