

Green Technology – Renewable Energy

College of Lake County
Continuing Professional Development



Our renewable energy seminars are offered in cooperation with the Midwest Renewable Energy Association (MREA). The MREA has 19 years of experience delivering energy-training programs throughout the Midwest and the nation. Whether you want to 'go green' at home or at your business, these workshops will help you save money, energy and the environment.

Basic Photovoltaics

Do you have the desire to go green at home or your business? Learn the basics of photovoltaic systems that are able to convert light directly into electrical energy. You will understand how PV works, identify the four PV system types, describe and identify components, understand the best application and limitations of each system type and define the solar window. Gain the knowledge of energy efficiency and load estimates, identify PV mounting types and understand the basics of site assessment tools. Students should bring a calculator to class. *Materials and lunch are included in the course fee. Cost: \$179.00*

Introduction to Wind Systems

Discover how to harness the energy of the wind. Learn the basics of wind energy, wind resources, basic system components, system types, turbine applications and tower types. This course is a prerequisite to MREA wind systems workshops and for people who have an interest in residential size wind systems for their home or business. Students should bring a calculator to class. *Materials and lunch are included in the course fee. Cost: \$179.00*

Solar Hot Water Systems

A household can save 50% or more in energy costs annually, by incorporating a Solar Domestic Hot Water system. Learn the sun's energy is used for showers, sinks, and clothes washers. These systems are easy to install and often pay for themselves in energy savings in just a few years. *Course textbook and lunch are included in the course fee. Cost: \$179.00*

Energy Efficient, Environmentally Friendly Construction

You can save money and help the environment by learning the basics of energy efficient and environmentally friendly construction. You will discuss site analysis, passive solar design strategies, super-insulated frame construction techniques, sustainable building materials, renewable heating systems and mechanical systems. *Materials and lunch are included in the course fee. Cost: \$179.00*

WPDI

Workforce and Professional
Development Institute



College of Lake County

College of Lake County
Continuing Professional Development
19351 West Washington Street
Grayslake, Illinois 60030-1198

For specific dates and times and registration information go to wpdi.clcillinois.edu/professional
Or call (847) 543-2615