

Penn State Bioenergy Short Course Series 2009



Success in the fast-developing field of bioenergy requires access to the latest technology and the best ideas. Rapid changes and breakthroughs in this field make it difficult to keep up, as well as to separate "the wheat from the chaff" in this age of information overload.

The 2009 Penn State Bioenergy Short Course Series consists of four separate events that focus on the advanced skills and science needed in today's growing bioenergy economy. Engineers, chemists, facility managers and project developers will benefit from these intensive sessions that feature national experts in vital bioenergy subjects.



Cellulosic Biofuel Production

March 23-24, 2009
Hyatt Fisherman's Wharf
San Francisco, CA

Nationally recognized experts in cellulosic biofuel production will present lectures and panel discussions on the latest in emerging technologies and policies. Topics will include: Biorefinery Systems; Biomass Feedstocks; Pretreatment Strategies; Saccharification; Biofuel Fermentation Strategies & Biotechnology; Thermochemical Conversions; Synthetic Biology for Synthetic Fuels; Process Technologies Scale-Up, Commercialization, and Evaluation; Environment and Policy.

Community Scale BioEnergy

July, 2009
Penn Stater Hotel and
Conference Center
State College, PA

Community scale energy projects hold great promise for bioenergy development, but are often difficult to manage due to the challenging human dimensions to these projects. This short course will focus on the complex requirements for developing successful community-scale bioenergy projects. Regional experts in bioenergy and community development will discuss the principles of community engagement, common pitfalls and their avoidance, and options for business models.

Biomass CHP System Design

September, 2009
Penn Stater Hotel and
Conference Center
State College, PA

Careful and correct design of Biomass Combined Heat and Power (CHP) systems is vital for the successful implementation of projects in this area. Topics to be covered in this short course include resource assessment, system configuration, design tools, feed system sizing and design, and commissioning.

Advanced Biodiesel Production

October, 2009
Penn Stater Hotel and
Conference Center
State College, PA

Recent advances in biodiesel production will be the focus of this intensive short course. This multi-day event will bring you up to date on the fundamental knowledge and new methods needed for state-of-the-art production of biodiesel fuel, including feedstocks, processing, quality assurance, and safety.



For More Information:

The short course series is hosted by the Penn State University Biomass Energy Center. Information regarding registration, venue, lodging, and travel can be found at the biomass energy website (<http://www.bioenergy.psu.edu>). Interested persons are encouraged to register early, as space is limited.