



A University-Business Learning Partnership

ENERGY INSTITUTE
University of Houston – College of Business Administration
Proposed Professional Energy Certificate Program

Concept

- The PECP is a high level, professional energy management program that emphasizes tools and skills for commercial project development and management.

Features

- Non-GMAT, non-MBA professional management development.
- Initially, non-credit only. (State of Texas Higher Education Coordinating Board approval will be sought for application of PECP course credits to MBA degree programs.)
- English language skills, but no TOEFL required.
- Approximate price: U.S.\$15,000-20,000 for entire program. Discounts for CBA/UH alumni and Institute Corporate Sponsors.
- Completion in six-months to one-year should be feasible (24-30 course hours to complete entire program).
- Field projects/internships will be available.
- Special workshops offered to satisfy particular needs. These will be available to outside audiences at separate prices.
- Linkages: Energy Trading Lab (proposed to be developed); International Regulatory Workshop (proposed independent program on commercial energy development for energy regulators and government policy professionals).
- Curriculum enhancement benefits within UH: MBA and LLM programs; interdisciplinary, cross-college course development.
- Calendar year schedule for program (January-December). Professionals based in Houston and potentially elsewhere in the U.S. and North America will be able to access courses outside of the calendar year schedule.

Example PECP Calendar Year



Example Curriculum (SUBJECT TO REVISION)

Course/ Workshop	Comments	Example Leads for Development
*Boot Camp	4-5 days, lecture/field, value chain demonstration of technology, history	Energy Institute
Tool Kit	Team building, project management	Corporate
Energy Markets	Extensive review of markets, economics and policy	Energy Institute
Energy Finance	State-of-the art of energy infrastructure finance	Institute for Infrastructure Finance
Strategic Issues in Oil and Gas Accounting	Changing accounting standards, U.S. and worldwide	Corporate
Commercial Management Practices, I and II	Strategy, marketing, project development and deal structuring, operations management; link to IT skills; Energy Inc. simulation ¹	Corporate
Energy/IT Strategies	Strategic applications; Energy Inc. simulations	Corporate
Risk Management Strategies, I and II	Scenarios and strategic responses (Energy Markets/Trading Lab ²)	Corporate
History of Energy Industry Transformation and Change	Case studies	Energy Institute
Managing Transformation and Change	Strategic approaches; Energy Inc. simulation	Corporate
Strategic Issues in Energy Law	Advanced concepts and case studies	UH Law Center
International Strategic Issues in Energy Law	Advanced concepts and case studies	UH Law Center
Spring Workshop: Petroleum Futures	U.S., world petroleum markets; brainstorming	Oxford Institute for Energy Studies
Fall Workshop: Natural Gas/Power Futures	U.S., world natural gas/power markets; brainstorming	Alphatania House

*Available to outside customers in addition to PECP participants.

¹Energy Inc. is a full corporate organization/decision making simulation model under development by the Energy Institute.

²The Energy Markets/Trading Lab is an experimental energy commodity trading floor under development by the Energy Institute.