

Energy Programs

2019-2020 Offerings



The University of Texas at Austin
Texas Executive Education
McCombs School of Business

One-day classes that make a career's worth of difference.

Economics & Technology of the Crude Oil, Natural Gas & LNG Value Chains

FALL 2020

Discover the economics, technology, policy/regulatory issues, business strategies and trends that affect these three key value chains. Utilize global market conditions, U.S. and international case studies, oil and natural gas market outlooks, and example project investments to acquire valuable insights into these industries. Get hands-on experience while building business acumen and increasing functional area knowledge. Review key value chain economics as well as the business and technology features impacting investment projects. Understand the relationships between global energy balances, prices, and investment cycles, and learn the role that technology and technological innovation play in the value chain.



Global Oil & Gas Accounting

NOVEMBER 1, 2019

Investigate the accounting and financial aspects of international oil and gas operations. Examine the current accounting and financial environment and how world reserves, consumption, doing business internationally, accounting rules, disclosures and credibility all come into play. Gain a working knowledge of key oil and gas issues, techniques, practices and terminology. Discover how to make better accounting and financial decisions, learn how to disclose reserves, and use data for financial purposes. Discuss the major contracts used on a worldwide basis and how they work.

Economics & Technology of the Electric Power Value Chain

MARCH 6, 2020

Acquire a working understanding of electric power. Explore global electric power value chain economics, technology, policy/regulatory issues, business strategies and trends. Utilize global market conditions, US and international case studies, oil market outlooks and sample project investments. Review key value chain economics, business, and technology features impacting investment projects. Gain a perspective on strategic planning for governments and investors. Understand the relationships between global energy balances, prices and investment cycles. Learn the role technology and technological innovation play in the value chain.

Business Valuation

"Provides a balance of theory and realistic practice complimented by comprehensive materials to support continued learning after the course."

Graham Hawkins
 Risk Manager, Chevron USA Inc

Energy Finance

OCTOBER 11, 2019

Develop an in-depth understanding of energy finance by examining three vital areas: pricing, asset valuation and risk management. Model and forecast energy and forward/futures prices. Analyze energy-related derivatives and different derivative products and learn how to apply what you have learned. Gain an understanding of energy markets and how to measure and manage the financial risks created by volatile energy prices. This program is extremely valuable for those involved in financial and quantitative analysis, valuation and structuring and trading positions within major energy companies as well as investment banks, consulting and financial services firms.

Energy Finance

"Texas Executive Education provided a well-rounded combination of theory, technical demonstration, and practical application. I've used my experience in this program to support and refine my industry perspective at both a micro and macro level."

Mark LeMaire
 Capital Risk and Fleet Manager,
 USD Group LLC



Energy, Technology and Policy

DECEMBER 6, 2019

This fast-paced, information-packed class provides an overview of "The Big Picture: Energy & Society." Examine a range of topics beginning with "Basics and Fundamentals" and study the role that energy plays in our environment, including "Energy and Water" and "Energy and Food." Explore how energy and energy policy affects culture and humanity and discuss critical technologies of the future. Gain an understanding of other topics such as Fossil Fuels: Conventional and Unconventional, Nuclear and Renewable Power, Electricity, Transportation, Energy Policy Basic, Energy and the Economy and Energy and Water.

Business Valuation

APRIL 3, 2020

Examine the valuation tools and techniques used to estimate enterprise values as well as large-scale investments in power plants, refineries, and oil & gas development projects. Utilize hands-on exercises using Excel and other add-in packages to gain enough model building and interpretation skills to become an intelligent consumer of models encountered when valuing projects and companies. Learn how to construct discounted cash flow forecasts used to value the business enterprise, estimate the appropriate cost of capital for valuing projects that have different risks, and carry out sensitivity analysis of valuation projects including break-even sensitivity analysis and simulation. Develop an understanding of the value creation potential hidden in your firm that could make it attractive to private equity investors.



REQUIREMENTS

To earn the Energy Certificate, participants must complete six of eight, one-day classes. The classes may be taken in any order and participants have three years to complete the requirements.

PROGRAM COST

\$7,350 for one certificate
 \$1,395 for each single course
 Cost includes materials, light breakfast and lunch

WHO SHOULD ATTEND

Executives, managers and professionals currently in, looking to get into, or with clients in the energy industry who want to broaden their understanding of topics and issues related to the field.

LOCATION

The Houstonian Hotel
 111 North Post Oak Lane
 Houston, Texas 77024

Managing External Stakeholder Relationships

FEBRUARY 4, 2020

Examine the management of ethical, legal, political, and cultural risks (and opportunities) associated with developing energy projects in emerging markets including upstream and downstream oil and gas investments. Analyze companies' social responsibility efforts, management of relationships with external stakeholders, and how politics, culture, and law structure companies' relationships with governments and other stakeholders in emerging markets.

Managing External Stakeholder Relationships

"This class was the perfect mix of instructor lecture and group participation. The topics were relevant and timely."

Erica Mickens
 Assistant Corporate Controller,
 Bristow Group inc.

Decision and Risk Analysis in Hydrocarbon Exploration and Production

MAY 22, 2020

Analyze approaches for modeling decisions and uncertainties that arise in the context of oil and gas project management. Examine ideas associated with risk analysis as it relates to the production of hydrocarbons over the life of an oil field. Gain hands-on experience in economic modeling, and illustrate how risks such as estimating hydrocarbon reserves and recovery rates as well as investment cost and oil prices should factor into decision making in oil and gas investments. Model complex projects with influence diagrams and construct deterministic sensitivity analyses (Tornado Diagrams). Use decision trees as a means of structuring risky problems.



Where knowledge is power.

Open Enrollment classes in the Energy Concentration offer you an opportunity to gain new perspectives and skills related to the energy industry with coursework tailored specifically to the challenges and opportunities of the field. With classes focused on the economics, strategy, business valuation and finance specific to the trade, this concentration offers you a unique opportunity to improve your business acumen directly related to the complexities of your field.

Energy Classes may be taken separately or as part of our Energy Certificate Program. You may begin at any time of the year and take classes in any order.

Our Programs

Get an in-depth look at the economics, strategy, business valuation and finance specific to the energy industry.

Location

Study in an environment focused on the complexities of the energy industry

Faculty

Learn from faculty from the McCombs School of Business, the Cockrell School of Engineering and the Center for Energy Economics.

Our Approach

Our smaller class sizes promote engagement with faculty as well as the formulation of meaningful relationships with other participants.



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(512) 471-5893 | WWW.TXEXECED.COM/ENERGY

