New technologies are changing the landscape and shifting the previously accepted dimensions of the energy industry. Meeting this anticipated demand in an economic and environmentally acceptable manner is a global challenge.

In response to the growth and change across this vast and complex industry, Fisher now offers an exceptional and focused learning experience. The Fisher Executive Certificate in Energy program integrates both the business and the technological aspects of the industry.

See back for more information.
INTRODUCTION TO THE ENERGY INDUSTRY

Course Objectives: Solidify a broad and diverse understanding of the Energy industry. Review current worldwide demand and projected demand through 2035. Explore how coal, gas, nuclear and renewable energy are poised to meet this demand. Utilize the energy industry to demonstrate how business leaders must understand global trends of supply, demand, technology, and their financial implications in order to generate value.

Course Topics
• Present and Future Global Energy Economics
• Worldwide Demand
• Recent Events
• Financial Analysis
• Fracking
• Future Investment
• Utility and Transmission
• Oil and Gas Network
• OEM Generation Technologies

THE BUSINESS OF MIDSTREAM & DOWNSTREAM TECHNOLOGIES

Course Objectives: Familiarize students with technologies pertaining to the delivery, distribution and conversion of oil and gas as well as trading, marketing & sales issues.

Course Topics
• Energy Transport & Storage ( Pipelines, Shipping/LNG)
• Processing (Refineries, Chemical Processing, Power Generation, Waste Processing)
• Wholesale/Trade (Risk Management & Exchanges)
• Secondary Transport & Distribution (Trucking, Power Transmission, Water, Power & Gas Distribution)
• Marketing & Sales (Service Stations, Commercial Sales, Chemicals, Utility Customers)

THE BUSINESS OF UPSTREAM TECHNOLOGIES AND ISSUES

Course Objectives: Familiarize students with technologies pertaining to exploration and production.

Course Topics
• Horizontal Drilling/Fracking
• Onshore & Offshore Exploration
• New Business Development
• Major Projects
• Nuclear Industry – Uranium Mining
• Steel Industry - Öre

LEGAL AND REGULATORY ASPECTS OF ENERGY

Course Objectives: Overview of legal and regulatory issues pertaining to energy production, delivery, distribution and use.

Course Topics
• US Local, State and Federal Legislation (mineral rights, fracking issues at the local level)
• Global Compliance (ABC-UK, Foreign Corrupt Practices)

ECONOMICS OF ENERGY

Course Objectives: This course examines the supply and demand of energy (oil, gas, electricity) and its use.

Course Topics
• Global Energy Trading (oil, gas, electricity)
• Auction Markets

GLOBAL ENERGY POLICY

Course Objectives: Introduction to the basics of energy trading and overview of commodities, derivative securities and markets.

Course Topics
• Derivative Instruments of Trading (paper market)
• Interdependence of Different Energy and Financial Markets
• Energy Price Risk Management
• How Oil and Gas Prices are Established
• Difference Between Exchanges and OTC Markets

DATES FOR 2016

May 4 4 - 8 p.m.
June 1 4 - 8 p.m.
July 11-15 8 a.m. – 5 p.m.

PRICING

Fee for the full program is $6,000. This includes instructional fees; course materials; in-program meals while on-campus.

SPACE IS LIMITED – APPLY TODAY: FISHER.OSU.EDU/ENERGY

Requirements for the program include a bachelor’s degree or equivalent, plus five years’ professional work experience, preferably in or related to the energy industry.

TO LEARN MORE:

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THE OHIO STATE UNIVERSITY
FISHER COLLEGE OF BUSINESS