

Global Oil & Gas Management

Overview

In this era of increased industry consolidation and heightened competition, the dynamics of international business are in full force. Thunderbird's Master Certificate in Global Oil & Gas Management is designed to provide you with a well-rounded, global understanding of the unique and ever-changing oil and gas industry. This prestigious program focuses on the business of the Upstream, Midstream and Downstream segments of the industry. You will learn to analyze and understand global oil and gas strategies to position your organization as a leader in this dynamic and competitive global landscape. By earning this online certificate, you will gain a strong grasp of today's global energy marketplace and how it directly impacts you as an integral part of the overall oil and gas value chain. Whether your goal is a career change or career advancement, the foundation you build in this program will make you a more valuable asset to the firms that lead the world's oil and gas industry.

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It's hard to find an industry more global, and therefore more complex, and therefore more interesting, than oil and gas. It affects every country in the world, and that ties very nicely to who we are at Thunderbird.”

Ed Barrett, Ph.D.

Seward Chair in Global Strategy, Emeritus and Founder of Oil & Gas Executive Education at Thunderbird



Michael Moffet, Ph.D.
Associate Professor



Andrew Inkpen, Ph.D.
Professor

Thunderbird School of Global Management
#1 Master's in management
— Latest THE/WSJ Ranking



#1 in the U.S. for innovation
ASU ahead of MIT and Stanford
— U.S. News & World Report, 7 years, 2016–2022



Key Benefits

- Analyze oil and gas management strategies of global organizations.
- Gain access to Thunderbird's unique insight and industry expertise.
- Study the oil and gas business from the perspective of the entire value chain.
- Discover the unique and critical business issues of today's global energy marketplace.
- Develop the professional capabilities and strategies to lead in the oil and gas industry.

Curriculum

This program offers advanced training for professionals dedicated to working in the global oil and gas industry. It provides the 21st-Century management expertise and entrepreneurial edge needed to thrive in rapidly developing global energy markets as the Fourth Industrial Revolution accelerates. In completing this certificate program you will understand the broad strokes and fine lines of oil and gas business, as well as the services, transactions, and intricacies of the daily activities within the global oil and gas industry. The Certificate in Global Oil & Gas Management is divided into five content categories:

- **Global Oil & Gas:** Value Chain and Geopolitics of Oil
- **The Upstream:** Exploration, Development, and Production
- **The Midstream:** Markets and Transportation
- **The Downstream:** Refining and Marketing
- **The Future Oil & Gas Industry**

Modules

Module 1: Overview of the Oil & Gas Industry

Identify core characteristics of the industry as well as fundamental concepts and terminology associated with the business of Oil and Gas.

Module 2: Politics & Energy

Analyze the relationship between state politics and the global oil and gas industry.

Module 3: Access, Fiscal Regimes, & Exploration

Examine the process of finding oil and gas, as well as securing the production rights.

Module 4: Developing Oil & Gas Projects

Identify development activities in the value chain's upstream.

Module 5: Production of Oil & Gas

Identify production activities.

Module 6: Natural Gas & LNG

Identify the various forms, production, and uses of natural gas and its role as an energy source.

Module 7: Financial Management

Identify financial dimensions of the oil and gas industry.

Module 8: Market for Crude Oil

Correlate the evolution of crude oil prices and how markets, supply, and demand influence crude oil prices.

Module 9: Transportation

Identify the importance of logistics and technical dimensions of transportation associated with geography, safety, and security.

Module 10: Business of Refining

Identify refining products, processes, complexity, global trends, competitiveness, operational challenges, and profitability.

Module 11: Marketing & Petrochemicals

Identify the mix of refined product types used by refineries and how they are distributed.

Module 12: The Future of the Global Oil & Gas Industry

Identify variables that may influence growth and innovation in the oil and gas industry for the foreseeable future.

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