



GLOBAL ENERGY MANAGEMENT CERTIFICATE

Lifecycle of Oil and Gas



MASTER THE LIFECYCLE OF ENERGY SYSTEMS IN THIS 3-DAY COMPRESSED COURSE

Getting oil and gas out of the ground and to the consumer depends on a complex set of systems. Sharpen your knowledge of the energy industry with this deep dive into the key players, technologies, processes and market forces that go into the oil and gas industry.

This 3-day professional development course provides energy professionals the chance to improve their understanding of this complex and dynamic industry.

This certificate is an excellent option if you are looking to:

- Develop a better understanding of the oil & gas industry
- Broaden your professional network

Schedule and Curriculum

This 3-day program in two Colorado locations will cover a wide range of topics in the oil and natural gas lifecycle including geology, land management, engineering, marketing, geopolitics, facilities, environmental health and safety and more. This program is offered every April and September.

Day 1 at Noble Energy Training Facility

Day 2 at CU Denver Business School

Day 3 at CU Denver Business School

This 3-day program is easy to fit into your life, and students will receive an official certificate from the University of Colorado Denver upon completion.

Brought to you in
partnership with the DPC

3

Days needed to advance
your career in oil and
natural gas

8

Major course topics
explored



Only 5% of business schools worldwide have AACSB accreditation. At CU Denver, you'll be a part of a diverse community of professionals who are ready to start or advance their careers in business.

READY TO START?

Contact us today

Michele.Cooper@ucdenver.edu

303-315-8066

[business.ucdenver.edu/
certificate-lifecycle-oil-gas](https://business.ucdenver.edu/certificate-lifecycle-oil-gas)



LIFECYCLE OF OIL AND GAS CERTIFICATE

With the Lifecycle of Oil and Natural Gas Certificate, you will return to your job with a broader understanding of the industry, including the processes, technologies, and components needed to find and produce fossil fuels.

Course Topics

Geology. This introduction to geology addresses the role of geologists and covers reservoir characteristics, exploration, seismic survey, sample well logs, maps and hydraulic fracturing.

Land Management. Explores the critical role of land management in oil and gas, including types of ownership, leasing, management of assets and contracts.

Drilling and Completions Engineering. Covers the basics of how an oil and gas well is drilled and reviews rig components, equipment and well completions.

Marketing and Trading. Includes a market overview as well as a study of key concepts such as hedging, margins, benchmark prices, wholesale vs. retail, trading and commodity exchange.

Geopolitics. Addresses the regional, national and international issues that affect oil and natural gas production, and managing risk.

Facilities and Terminalling. Provides an overview of refining crude oil and gas processing treatment, storage and transportation.

Regulations and Environmental Health and Safety. Studies how the oil and gas industry is regulated, reporting requirements, environmental concerns, and health and safety issues.

Energy Game. Teams replicate steps taken by oil and gas production companies to find and develop oil or natural gas. Each team will start with a bank, prepare their investment strategy, lease land, acquire permits and geology reports, drill and produce.

“Students in the industry can go back to their jobs and better understand what other business units do and how it contributes to the larger picture. They know what geologists do and know it is more than look at rocks and know how it affects their department.”

--Nick Nelson

Course subject matter expert - geology

How to apply

Admission to this course is open to anyone, and there are no prerequisites to register.

Tuition costs \$1,524 and includes lunch and transportation to energy site tours. *Denver Petroleum Club members receive a \$250 discount.*

For any questions, please contact Michele Cooper at michele.cooper@ucdenver.edu or 303-315-8066.

Applicants are required to submit all application materials including the online application. As an applicant, please fill the online application out as the following for the Academic Interests page:

1. Select: Continuing and Professional Education
2. Please select program: Non-credit

▶ business.ucdenver.edu/certificate-lifecycle-oil-gas