



# PETROLEUM ECONOMICS AND MANAGEMENT

APPLIED GRADUATE STUDIES

Language: **English**

Duration: **16 months**

Degree: **IFP School's Master's degree (or *Diplôme d'ingénieur spécialisé*) and possibly the partner institution's Master's degree (for double-degree track)**



The energy and transport sectors continue to have the greatest dependence on Oil & Gas. While the energy transition aims to find substitutes for these energy sources in the medium term by emphasizing technological innovation, the economic and financial challenges faced by these sectors cannot be ignored. Our Petroleum Economics and Management program will provide you with multifaceted expertise, recognized for the ability to fully grasp the economic challenges within the sector. You'll receive customized training developed in cooperation with renowned international academic partners, and you'll work within a multicultural environment that will advance your career on an international scale. Energize your potential!

## PARTNER INSTITUTIONS

- Colorado School of Mines (USA)
- Oklahoma University (USA)
- Texas A&M University (USA)
- Gubkin Russian State University of Oil & Gas (Russia)
- University of São Paulo (Brazil)
- University of Alberta (Canada)
- China University of Petroleum-Beijing (China)
- Audencia Business School (France)
- ESCP Europe (France)
- ESSEC Business School (France)
- BI Norwegian Business School (Norway)
- Skolkovo Institute of Science and Technology (Russia)
- University of Dundee (UK)

## CAREER OPPORTUNITIES

- Energy business & economics
- Strategic management & marketing
- Management consulting & analytics
- Energy finance, banking & trading
- Energy techniques & engineering

Strategic or geopolitical dimensions, international nature, economic and financial issues, technological adventures, challenges of sustainable development and digitalization: these are a few facets of the world of energy. To ensure their development and to penetrate new markets, the companies in the energy sector need skillful professionals with global and strategic visions.

IFP School has therefore designed an excellence program based on international partnerships that are unanimously recognized in the field of energy economics and management. By joining our Petroleum Economics and Management program, you enhance your initial training through a cutting-edge curricula in oil, natural gas and electricity economics and management.

At IFP School, you will experience your studies as a pathway towards a world of opportunities. All our programs have an international dimension, but the Petroleum Economics and Management program is unique. It will provide

you with a multidisciplinary know-how that is tailor-made, through various elective courses, to support your professional and academic aspirations. These applied graduate studies cover both technical and business aspects of the energy industry, through many real world case-studies, supervised by leading academics, experts and practitioners. Built on exceptional partnerships in the Americas, Asia and Europe, the Petroleum Economics and Management program offers you the opportunity of a dual academic experience. By choosing to carry out part of your studies with one of our partners, you will be sharing a real international adventure in a human-sized program.

At IFP School, we believe in teamwork and collaborative values. The diversity of our students is our strength: eclectic backgrounds (economists, engineers, legal advisors, political scientists, etc.), various profiles (fresh graduates, professionals) and diverse nationalities. As a result, you will be in a multicultural context that will make your everyday life a unique experience.

The IFP School Petroleum Economics and Management program opens doors to rich and diverse international careers. With your adaptability, your open-mindedness and our incomparable international network, the world is at your doorstep.



Find out more: [www.ifp-school.com](http://www.ifp-school.com)

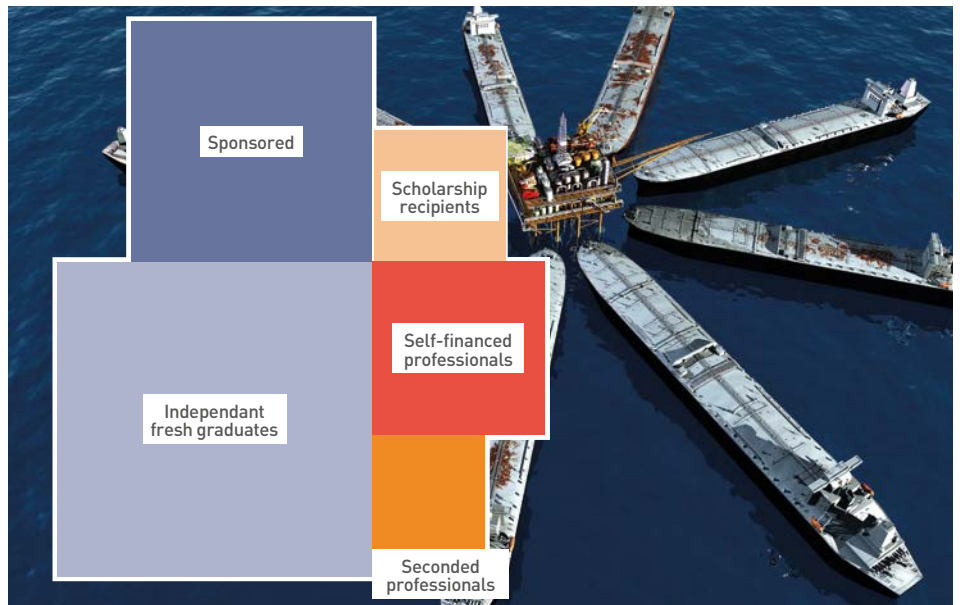


## TYPICAL CLASS PROFILE/ MAIN SPONSORS

Students in this program are either self-financed or sponsored by companies (through sponsorships or study leave) that finance their living expenses during their academic period and contribute towards their tuition.

Among these companies, the following have been IFP School partners in recent years (non-exhaustive list):

Cepsa, Gazprom, PDVSA, Pemex, Perenco, Sasol, Saudi Aramco, Schlumberger, Total.



OTC.fr R.C. PARIS 493 291 108 Photo credits: Shutterstock, x

## PROGRAM CONTENT

### → The courses at IFP School are built on 3 major themes

#### Business and management

- Business accounting
- Strategic management & marketing
- Consultancy project/term paper

#### Quantitative tools

- Efficiency analysis
- Decision science & optimization
- Advanced data analytics

#### Energy

- Energy geopolitics & global outlook
- Upstream management
- Project evaluation & portfolio management
- Mid- and downstream business
- Natural gas economics & management
- Electricity economics & management
- Environmental economics & renewables
- Energy markets & trading
- Petroleum engineering
- Refining & process engineering

### → Courses in the partner institutions

When attending two fall terms in one of the following institutions, successful students are awarded two degrees.

#### Colorado School of Mines

Courses in the MS Mineral and Energy Economics such as: micro/macro-economics, mineral asset valuation, energy economics, etc.

#### Texas A&M University

Courses in the M Eng in Petroleum Engineering such as: reservoir engineering, fluid flows, drilling, production, EOR, etc.

#### Oklahoma University

Courses in the MBA program such as: managerial economics, financial markets, negotiation and leadership, etc.

#### Gubkin University of Oil & Gas

Courses in the Master of Economics such as: micro/macro-economics, petroleum economics, mathematics and statistics, etc.

When attending the first fall term in one of the following institutions and doing a placement period of at least 4 months in a company/institution in accordance with their professional project (during the second fall term), successful students are awarded the IFP School MSc degree.

Courses at USP, Alberta, CUP-Beijing, Audencia, ESCP, ESSEC, BI Oslo, Skoltech, Dundee: for the fall term in the chosen partner institution, students are allowed to choose between all the graduate level courses available to them (core and elective courses) according to their professional/academic project. Students must refer to the partner institution's catalogues for course selection.

## PROGRAM SCHEDULE

The two examples of schedules shown below correspond to the most frequently encountered cases for students in this program: 16-month program for students with a 4- or 5-year degree, with two terms on the partner's campus (CSM, OU, TAMU, Gubkin) to obtain a double-degree, or with one term on the partner's campus (all other partner institutions) and a placement period in a company for the IFP School single-degree track.

← 16 months →

**Double-degree IFP School/Partner institution**  
(CSM, OU, TAMU, Gubkin)



← 16 months →

**Single-degree IFP School**  
(USP, Alberta, CUP-Beijing, Audencia, ESCP, ESSEC, BI Oslo, Skoltech, Dundee)



■ IFP School ■ Company ■ Partner institutions